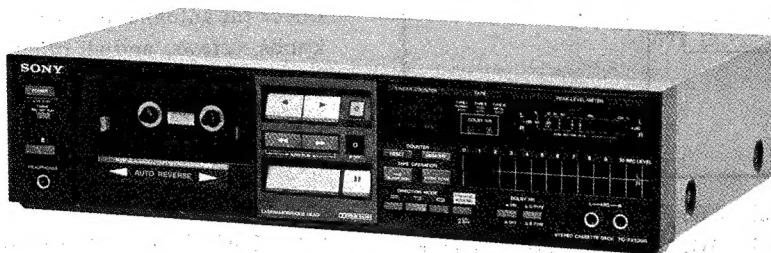


# TC-FX520R

## SERVICE MANUAL

US Model  
AEP Model



'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

### SPECIFICATIONS

Tape Transport Mechanism Type	TCM-150R1
-------------------------------	-----------

Cassette	DOLBY NR switches	OFF	B-TYPE ON	C-TYPE ON
TYPE IV (Sony METAL-ES)	58 dB	65 dB	71 dB	
TYPE II (Sony UCX)	57 dB	64 dB	70 dB	
TYPE I (Sony BHF or HF-S)	54 dB	61 dB	67 dB	

Total harmonic distortion  
1.0% (with Sony METAL-ES cassettes)

Frequency response

DOLBY NR OFF

- With TYPE IV cassette (Sony METAL-ES)  
20 - 18,000 Hz  
30 - 17,000 Hz ( $\pm 3$  dB)  
30 - 13,000 Hz ( $\pm 3$  dB, 0 VU recording)
- With TYPE II cassette (Sony UCX)  
20 - 18,000 Hz  
30 - 17,000 Hz ( $\pm 3$  dB)
- With TYPE I cassette (Sony BHF or HF-S)  
20 - 16,000 Hz

### SAFETY-RELATED COMPONENT WARNING!!

#### COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Wow and flutter  
Inputs 0.045% WRMS (NAB)  
Microphone inputs (phone jacks)  
Sensitivity 0.25 mV (-70 dB)  
For a low-impedance microphone  
Line inputs (phono jacks)  
Sensitivity 77.5 mV (-20 dB)  
Input impedance 47 k ohms  
Line outputs (phono jacks)  
Output level 0.44 V (-5 dB) at load  
impedance 47 k ohms  
Load impedance over 10 k ohms  
Headphone output (stereo phone jack)  
Output level -28 dB at a load impedance  
of 8 ohms

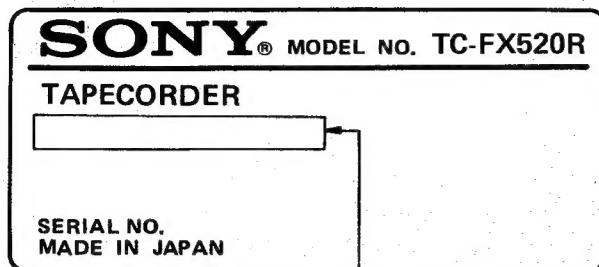
#### General

Power requirements US Model:  
120 V ac, 60 Hz  
AEP, G-AEP Model:  
220 V ac, 50/60 Hz  
(240 V ac adjustable by authorized  
Sony personnel)  
Power consumption 24 watts  
Dimensions Approx. 430 x 105 x 275 mm (w/h/d)  
(17 x 4 1/4 x 10 7/8 inches)  
including projecting parts and controls  
Weight Approx. 4.7 kg (10 lbs 6 oz)

0 dB = 0.775 V

STEREO CASSETTE DECK  
**SONY**



**MODEL IDENTIFICATION***— Specification Label —*

US model: AC: 120 V 60 Hz 24 W  
AEP, G-AEP model: AC: 220 V ~ 50/60 Hz 24 W

**SAFETY CHECK-OUT (US Model)**

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

**LEAKAGE TEST**

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery-operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

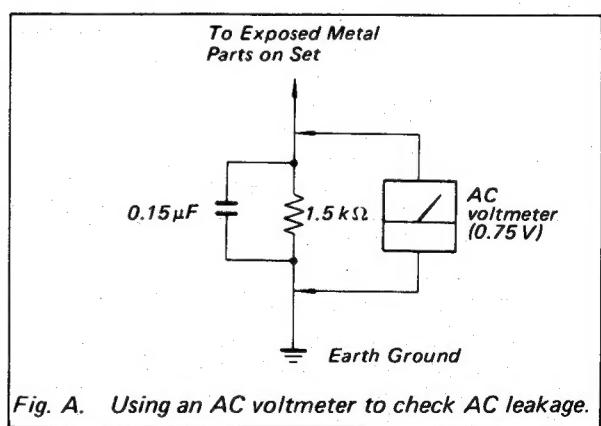
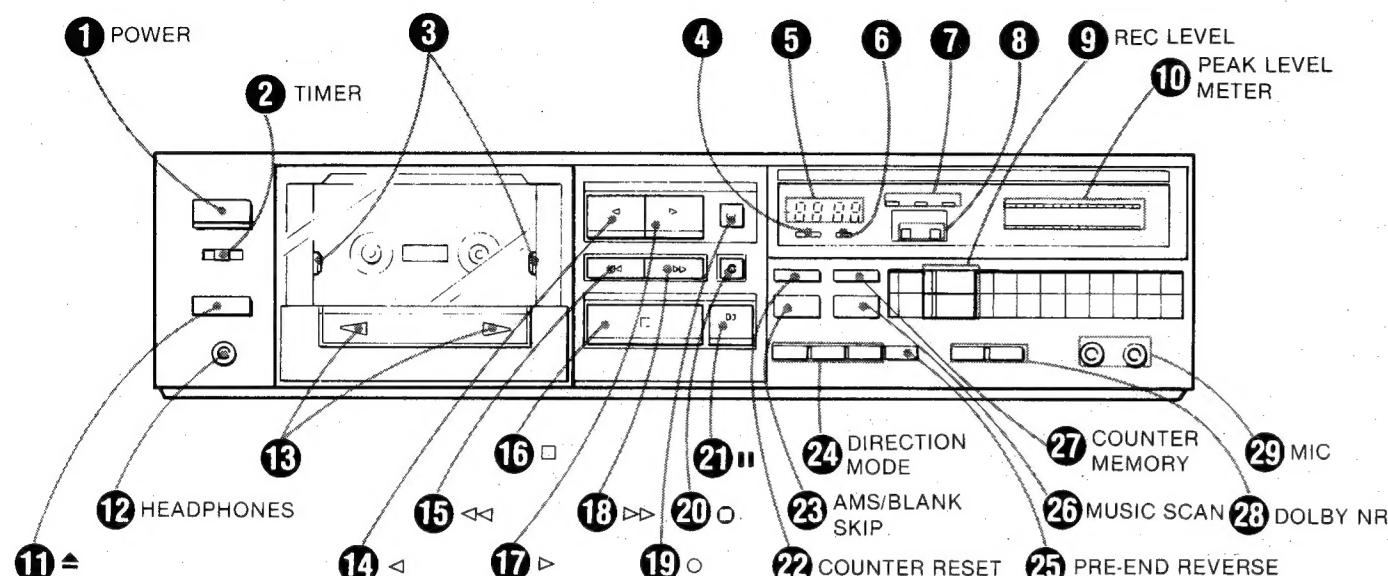


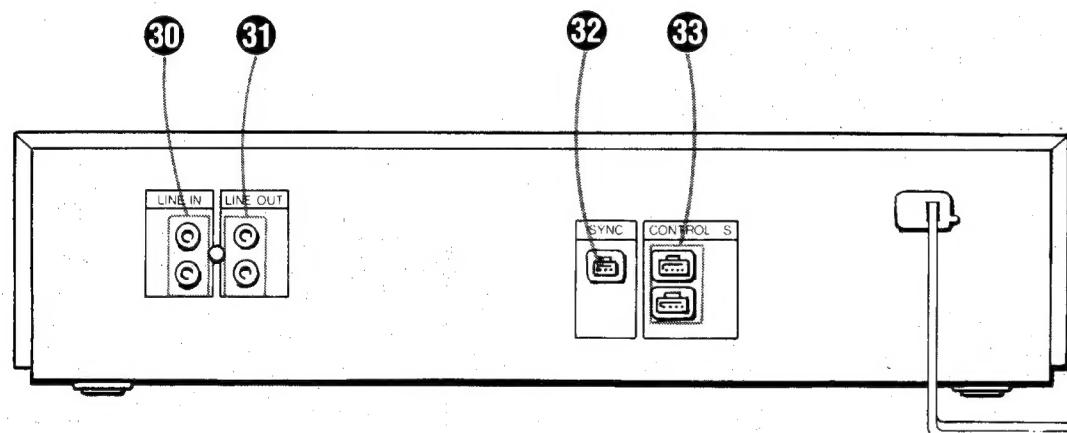
Fig. A. Using an AC voltmeter to check AC leakage.

## FUNCTION OF CONTROLS

## Front panel



## Rear panel

**① POWER switch****② TIMER switch****③ Cassette stabilizer****④ MEMORY indicator****⑤ Digital linear counter****⑥ PER (pre-end reverse) indicator**

When the PRE-END REVERSE button is depressed (▲ ON), this indicator lights to show the pre-end reverse function is engaged.

**⑦ TAPE indicators**

When a cassette is inserted, the appropriate TAPE indicator lights and the optimum recording and playback settings of the tape are set by the automatic tape select system.

**⑧ DOLBY NR indicators**

The selected Dolby NR B or C type indicator lights.

**⑨ REC LEVEL (recording level) controls****⑩ PEAK LEVEL METERS****⑪ ▲ (eject) button****⑫ HEADPHONES jack (stereo phone jack)****⑬ Direction indicators**

FWD ▶ (forward) indicator: Lights to show that the front side of the cassette is being played back or recorded on.

REV ▲ (reverse) indicator: Lights to show that the reverse side of the cassette is being played back or recorded on.

**⑭ ▲ (reverse play) button****⑮ ▲▲ (fast-reverse) button****⑯ □ (stop) button****⑰ ▶ (forward) button****⑱ ▶▶ (fast-forward) button****⑲ ○ (record) button****⑳ ○ (record muting) button****㉑ ▪ (pause) button****㉒ COUNTER RESET button**

Press to reset the tape counter to 0.00.

**㉓ AMS/BANK SKIP button and indicator**

To activate the AMS and blank skip functions, press this button. The indicator of the button lights. To cancel these functions, press it again. The indicator goes off.

**㉔ DIRECTION MODE buttons**

Depress one of the buttons to select the mode of tape movement for recording and playback.

▲ (one-direction) button: To record or play back one side of the cassette.

▷ (one-cycle) button: To record or play back both sides of the cassette. If this button is pressed when the reverse side of the cassette is being recorded or played back, the tape will stop at the end of that side.

○ (five-cycle) button: To play back both sides of the cassette five times. If this button is pressed when the reverse side of the cassette is being recorded or played back, the tape will stop at the end of the 5th playback of the reverse side so that the front side will have been played back only four times.

The recording will stop at the end of the reverse side.

**㉕ PRE-END REVERSE button**

Depress this button (▲ ON) to automatically reverse the direction of the tape during recording or playback when the tape approaches the end. To cancel the pre-end reverse function, press the button again to release (□ OFF). The tape reverses the direction at the very end. The pre-end reverse function operates only in the direction from the front side to the reverse side.

**㉖ MUSIC SCAN button**

To activate the music scan function, press this button. The indicator of the button lights. To cancel this function, press it again or press the AMS/BLANK SKIP button. The indicator goes off.

**㉗ COUNTER MEMORY button**

Used for the memory stop/play. When this button is pressed, the MEMORY indicator lights on the display.

**㉘ DOLBY NR\* switches**

To record or play back using the Dolby NR (Noise Reduction) system, depress the left ON/OFF switch (▲ ON), then select either the B-type or C-type Dolby NR system with the right switch.

Depress the switch for the C-type system (▲ C-TYPE), or press to release it for the B-type system (□ B-TYPE). To record or play back without the Dolby NR process, press to release the ON/OFF switch (□ OFF). For details about the Dolby NR system.

**㉙ MIC jacks (phone jack)**

Any low-impedance microphone equipped with a phone plug may be used.

**㉚ LINE IN (line input) jacks (phono jack)**

Accepts tape outputs from an amplifier for tape recording and line outputs from another tape deck when duplicating a tape from that unit.

**㉛ LINE OUT (line output) jacks (phono jack)**

Accepts tape inputs from an amplifier for playing back a tape and line inputs from another tape deck for duplicating a tape onto that unit.

**㉜ SYNC connector (3-pin)**

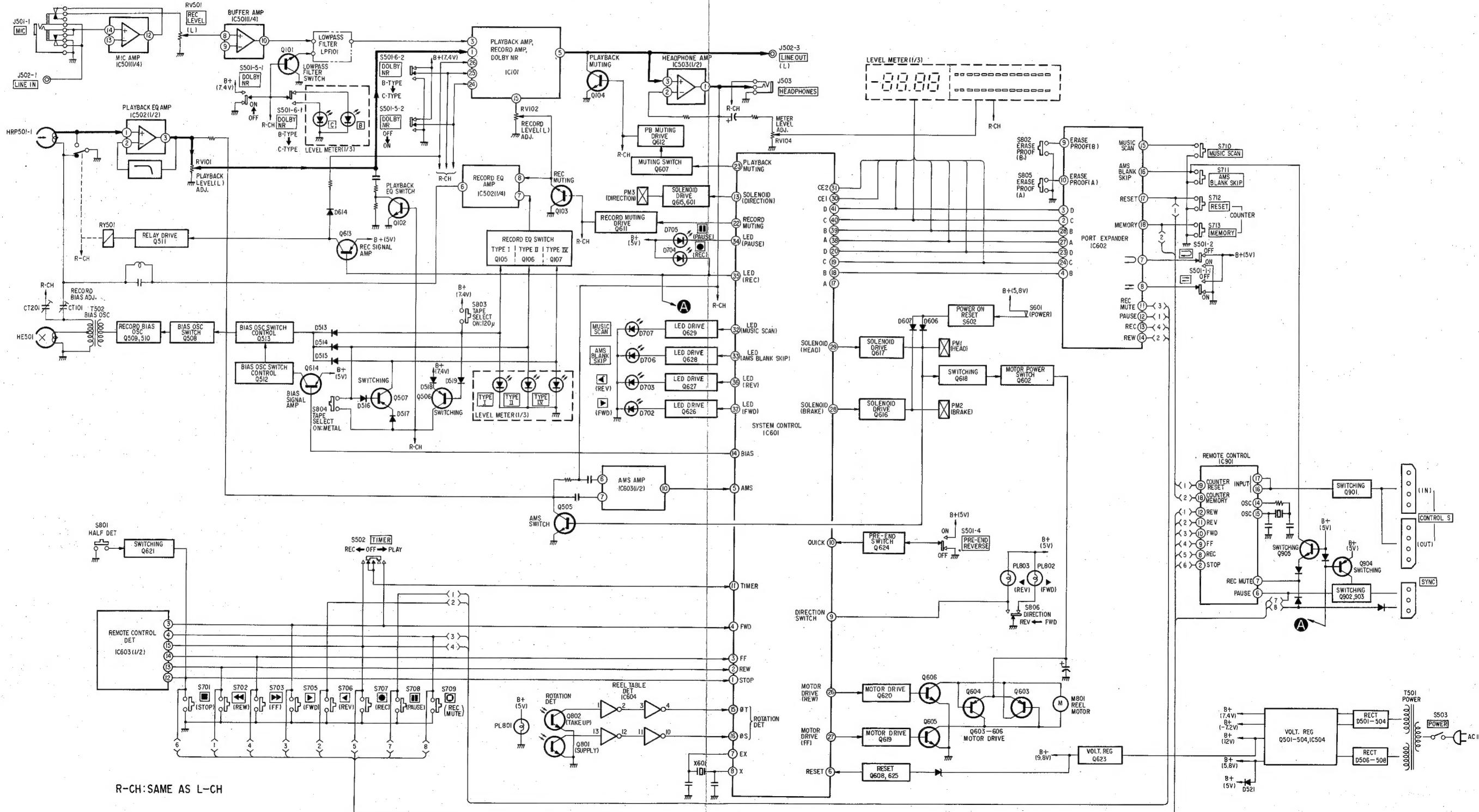
For synchro recording, connect to the SYNC connector of the turntable system. For further details, refer to the instruction manual of the Sony turntable system.

**㉝ CONTROL S connectors (4-pin)**

**OUT:** Connect to the CONTROL S IN or □ REMOTE IN connector of other Sony audio equipment with the supplied flat 4-pin remote control cord for remote control of the total audio system.

**IN:** Connect to the CONTROL S OUT or □ REMOTE OUT connector of an optional Sony system control tuner or receiver for remote control of the total audio system.

**SECTION 1**  
**BLOCK DIAGRAM**

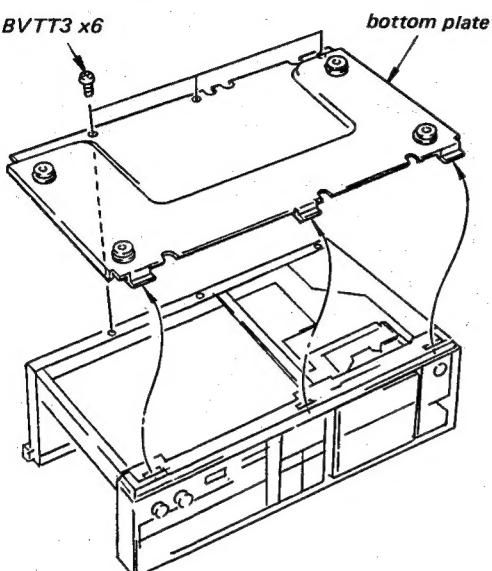


## SECTION 2

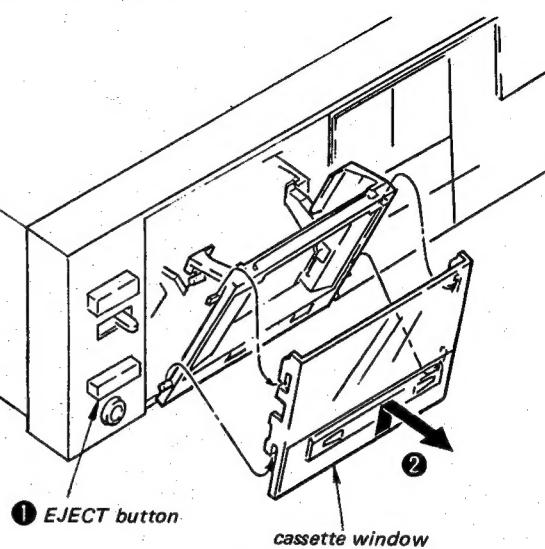
### DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

#### BOTTOM PLATE



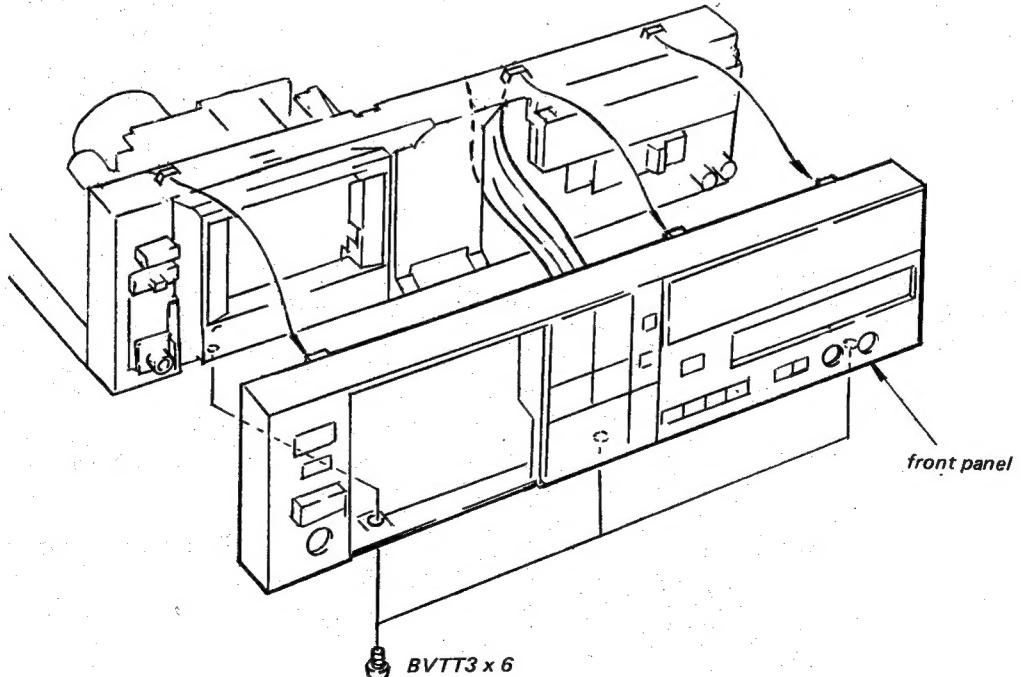
#### CASSETTE WINDOW

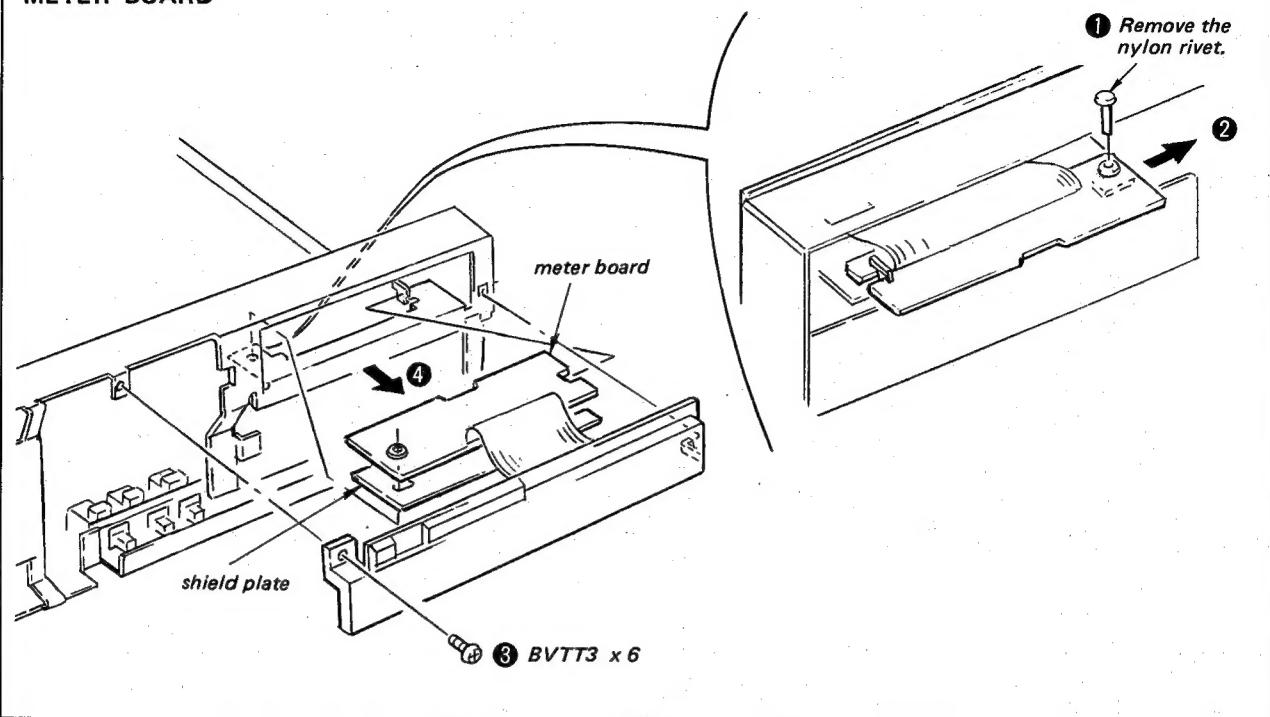
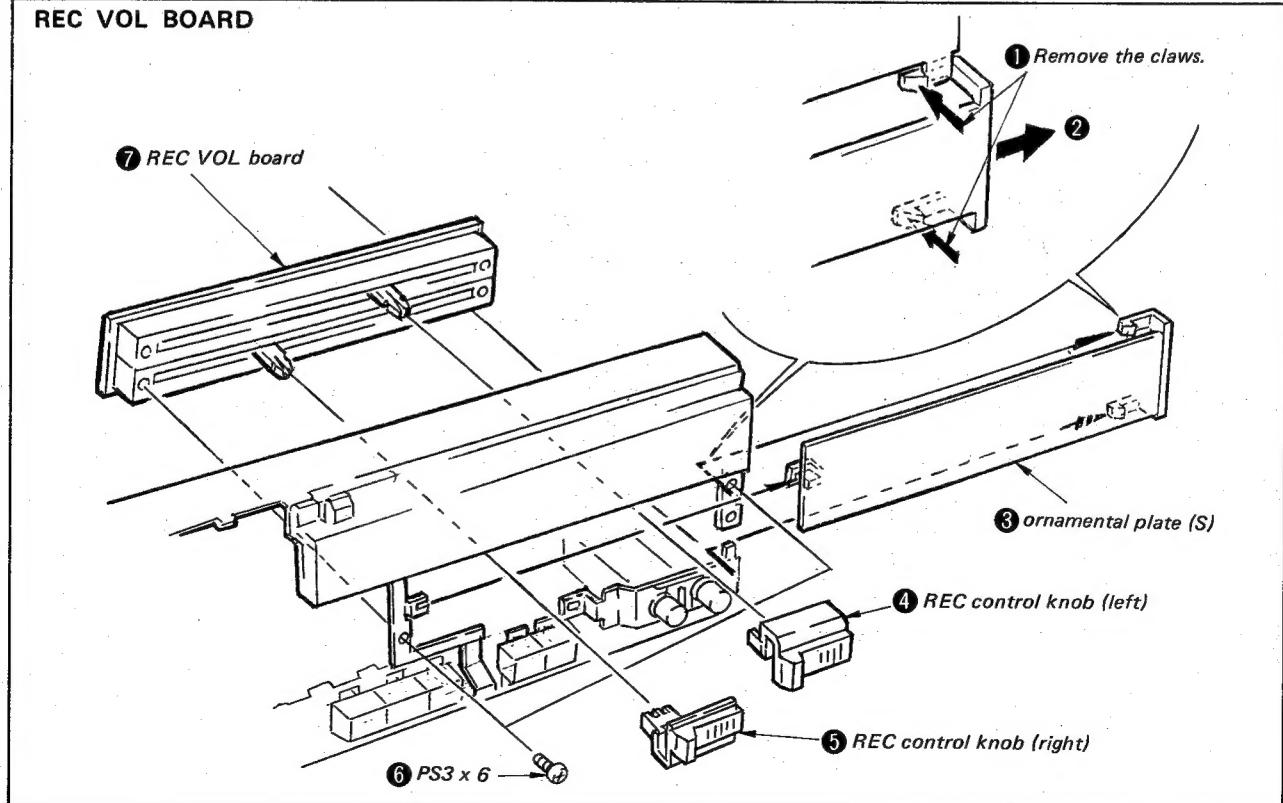


#### CASE REMOVAL

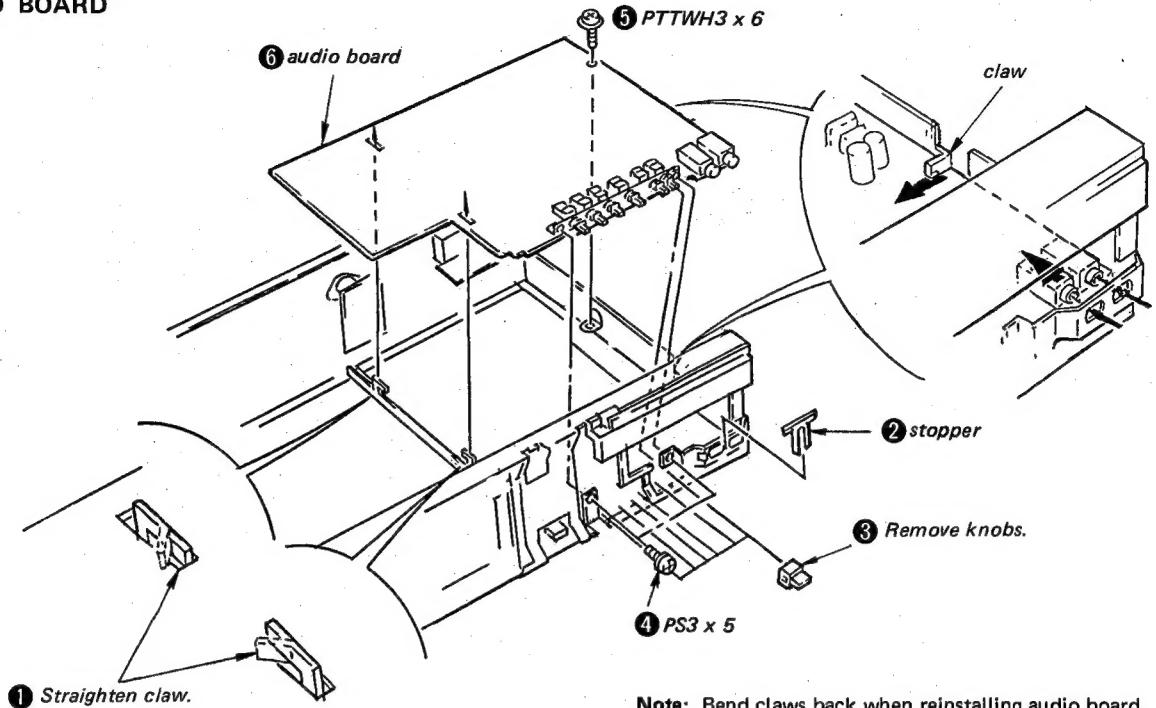
Remove case by taking out four screws securing case.

#### FRONT PANEL

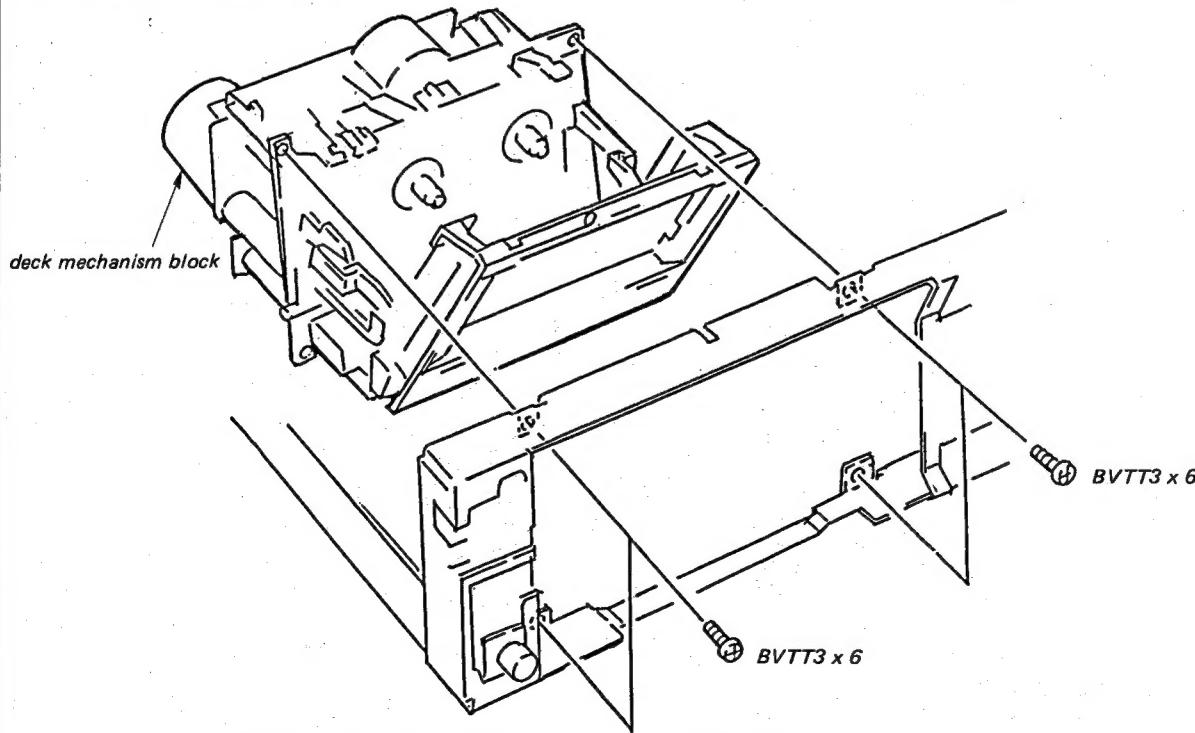


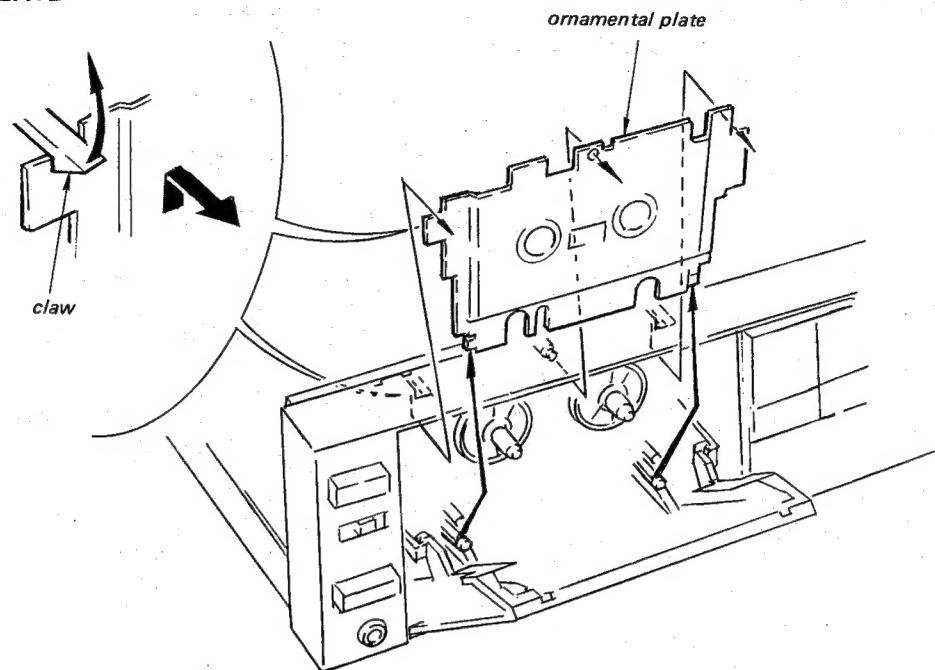
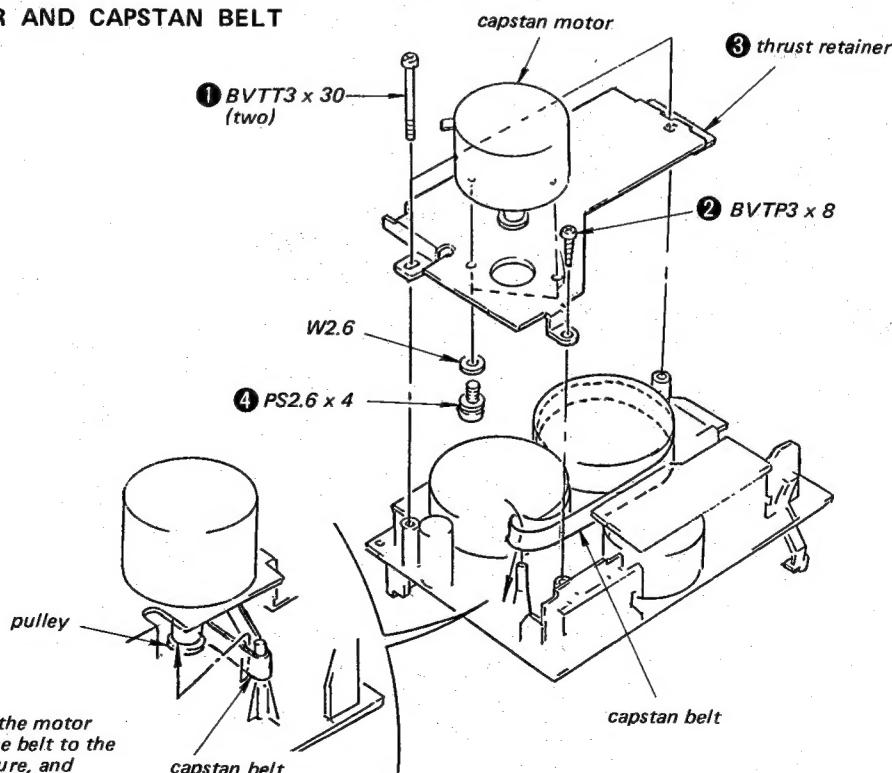
**METER BOARD****REC VOL BOARD**

## AUDIO BOARD

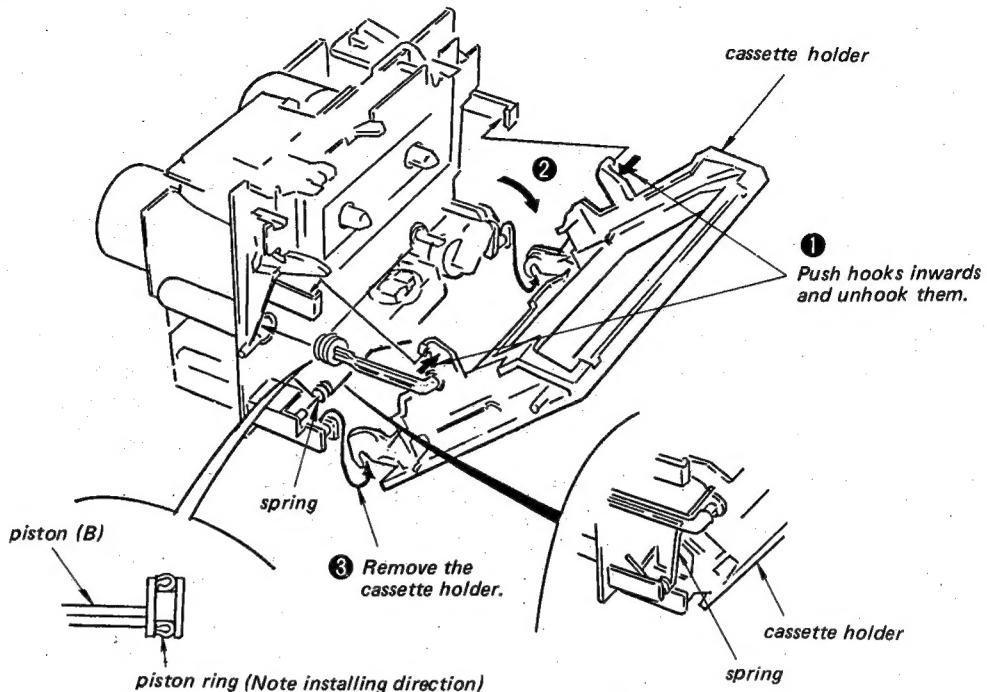


## DECK MECHANISM BLOCK

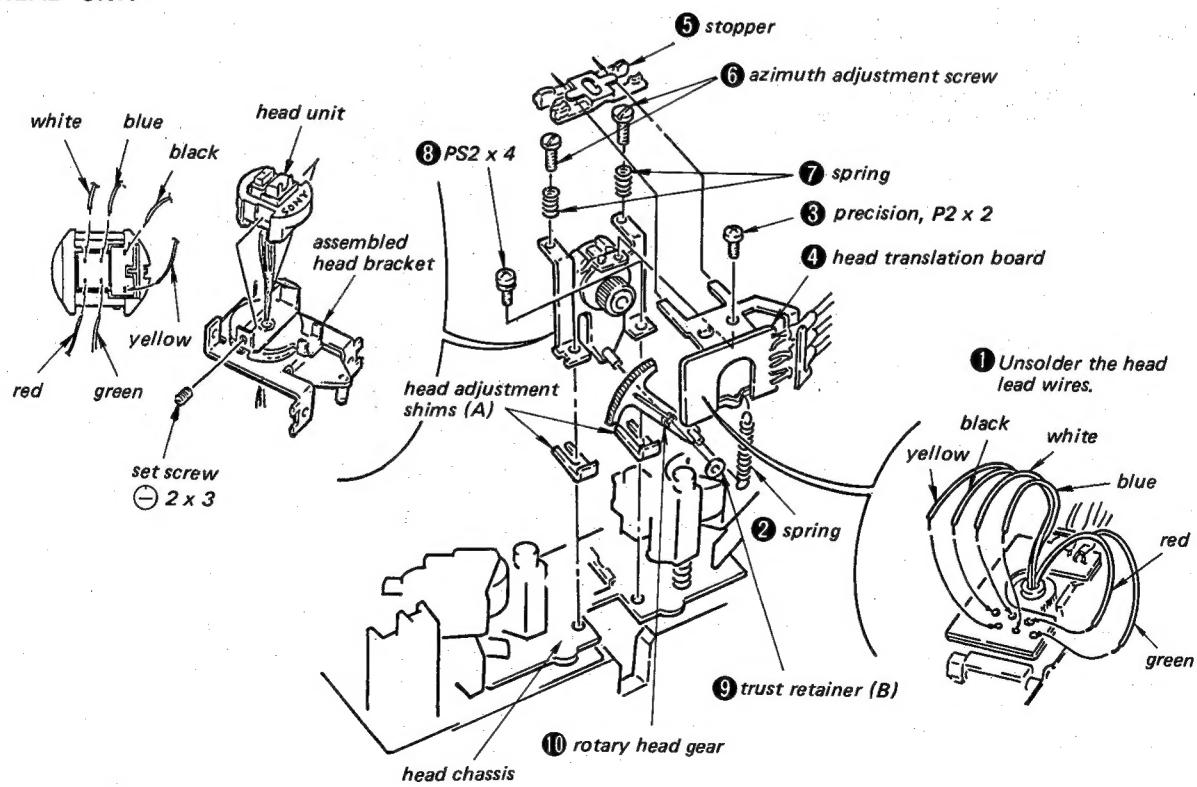


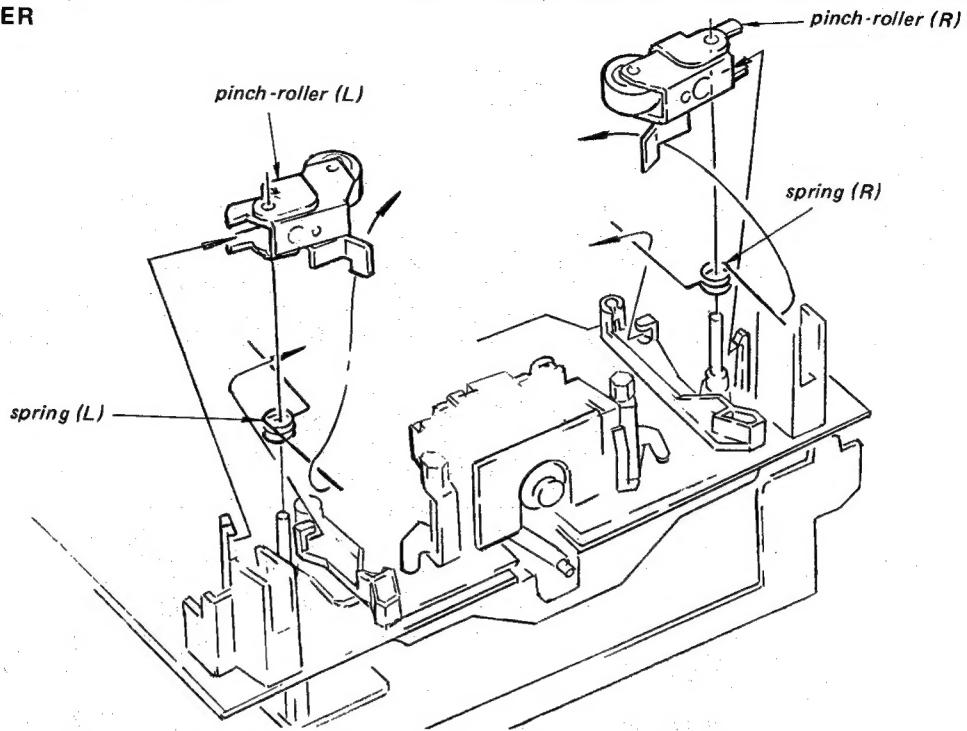
**ORNAMENTAL PLATE****CAPSTAN MOTOR AND CAPSTAN BELT**

## CASSETTE HOLDER



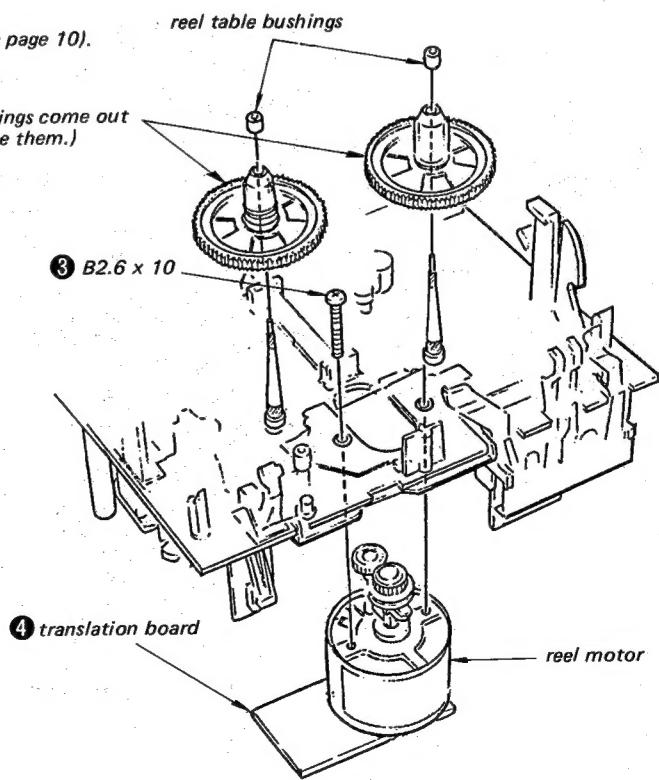
## HEAD UNIT



**PINCH-ROLLER****REEL MOTOR**

① Remove the ornamental plate (See page 10).

② Pull off reel tables.  
(Note: reel-table bushings come out together. Do not loose them.)



### SECTION 3 ADJUSTMENTS

#### 3-1. MECHANICAL ADJUSTMENTS

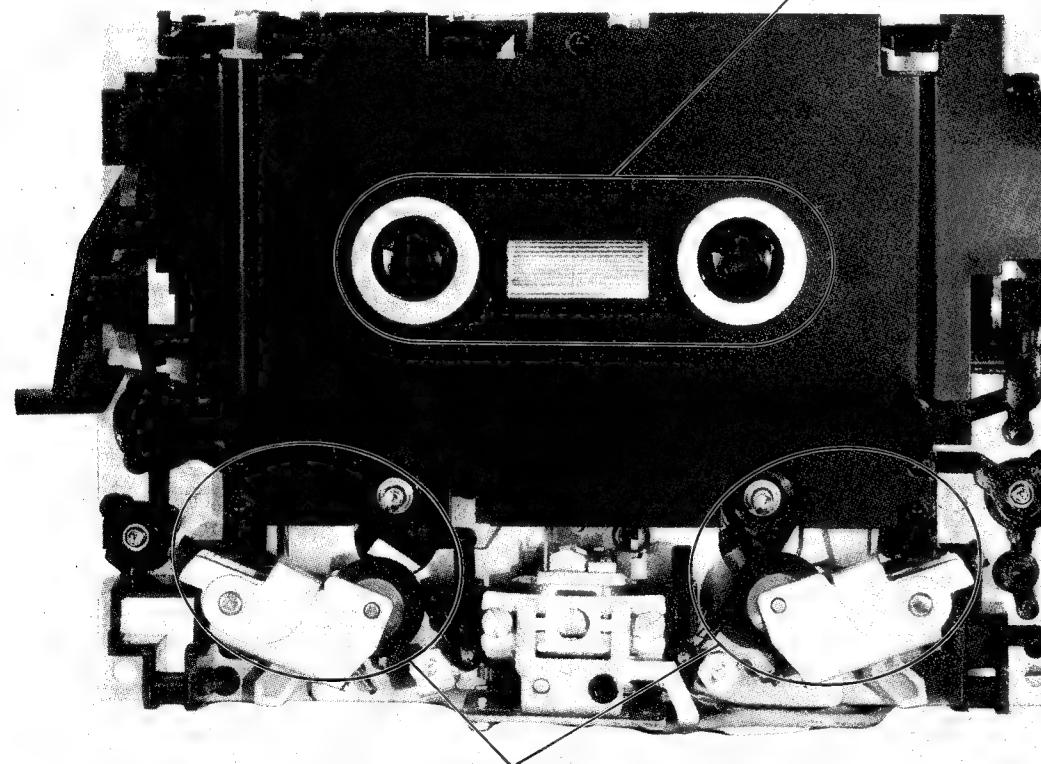
##### PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
 

record/playback/erase head	rubber belts
capstan	idle
pinch roller	
2. Demagnetize the head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

##### Torque Measurement

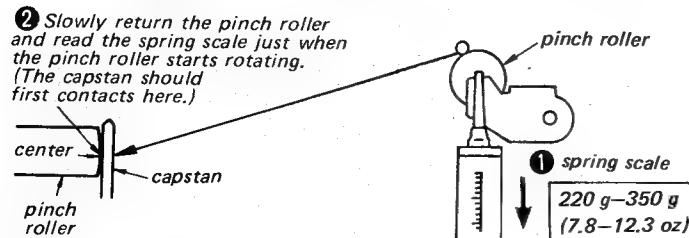
Torque	Torque meter	Meter reading
Forward	CQ-102C	30 - 60 g·cm (0.41 - 0.82 oz·inch)
Reverse	CQ-102RB	
Fast Forward and Rewind	CQ-201B	90 - 150 g·cm (1.3 - 2.1 oz·inch)
Brake	TOHNICHI Torque Gauge	10 - 100 g·cm (0.15 - 1.35 oz·inch)



##### Pinch Roller Pressure Measurement

###### — Playback Mode —

② Slowly return the pinch roller and read the spring scale just when the pinch roller starts rotating. (The capstan should first contacts here.)

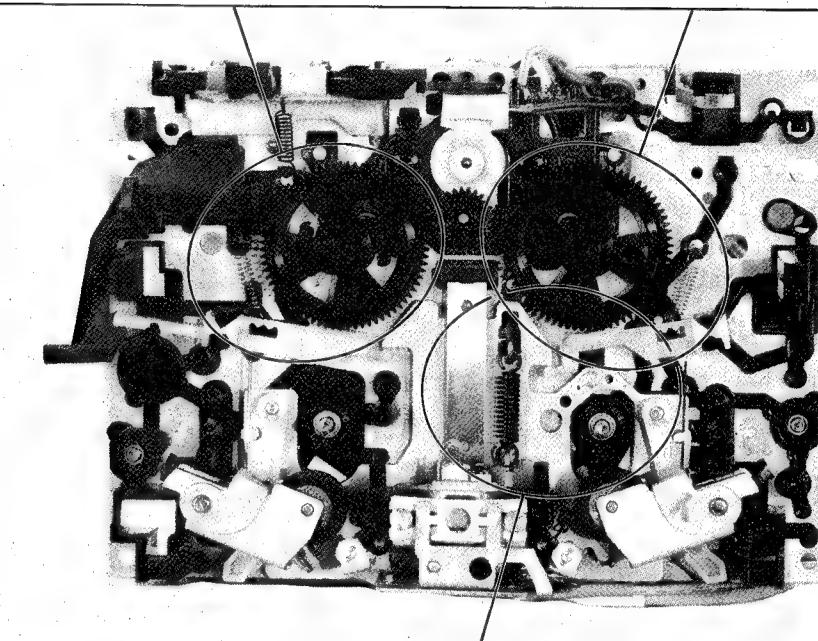
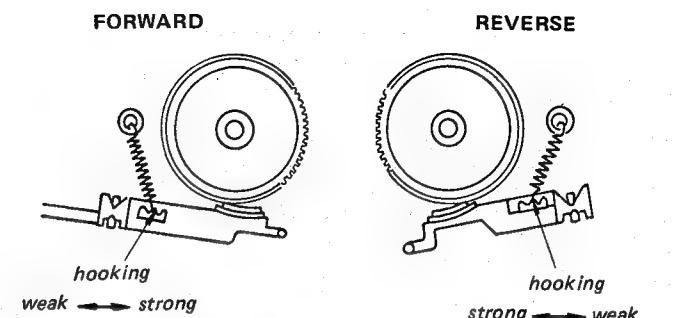


##### BACK TENSION ADJUSTMENT

###### — Forward and Reverse Playback Modes —

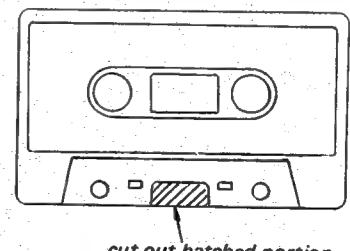
Forward: Torque Meter CQ-102C,  
Torque 2.5-4.5 g·cm  
(0.03-0.06 oz·inch)

Reverse: Torque Meter CQ-102RB,  
Torque 2.5-4.5 g·cm  
(0.03-0.06 oz·inch)

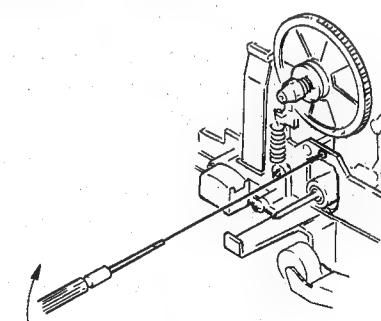


##### Head Position Adjustment in AMS mode

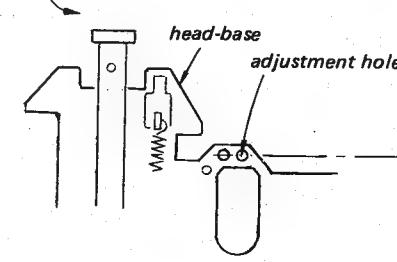
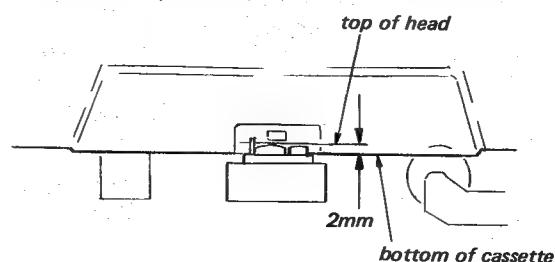
1. Prepare an adjustment cassette as shown below.



If it is not, insert a small screwdriver to the adjustment hole and adjust the head position by bending a head-base so that the distance between top of head and bottom of cassette is 2 mm  $\pm 0.1$  mm.



2. In AMS mode, confirm that the the distance between top of head and bottom of cassette is 2 mm  $\pm 0.1$  mm (3/32 inch).



**Precaution on Replacing**

As the head center adjustment and the tape pass adjustment are affected each other, do not perform them at the same time.

**Note:** When the record/playback/erase head is replaced, be sure to perform the preliminary adjustment first.

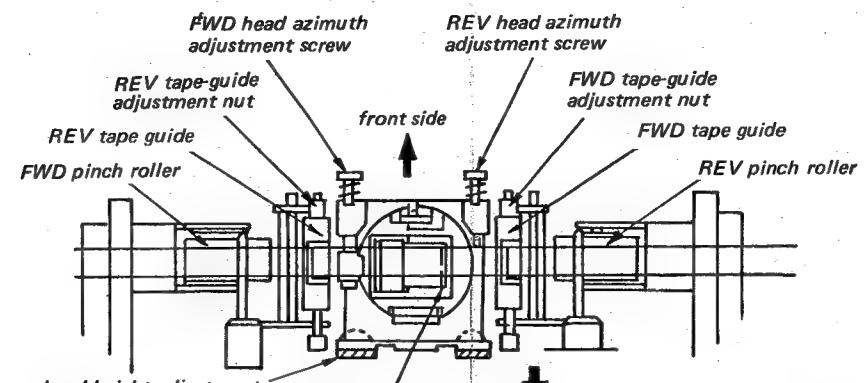
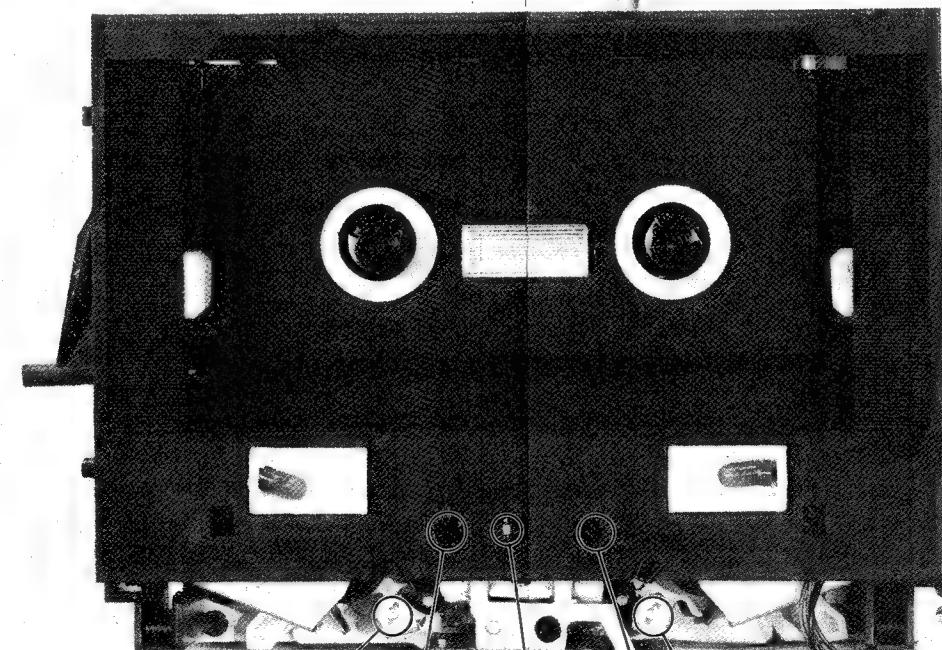
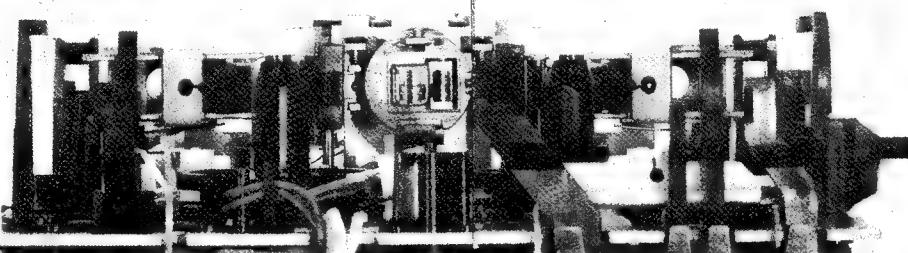
**Head Center Adjustment**

1. Insert a mirror tape cassette, CQ-009C or CQ-012C.
2. Place the unit in forward playback mode.
3. When the lower part of the tape is warped, loosen the head center adjustment screw. (Loosen the screw within one turn.)
4. Place the unit in reverse-playback mode.
5. When the upper part of the tape is warped, secure the adjustment screw. (Secure the screw within one turn.)
6. Repeat steps 2 to 5 several times until there is no warp both in forward and reverse mode.
7. If the warp is not disappeared, repeat steps 2 to 6 after adding or removing the head height adjustment shim (A).
8. After adjustment, lock the head center adjustment screw with locking compound.

**Tape Path Adjustment**

1. Clean the pinch roller and the record/playback/erase head with soft cloth moistened with alcohol.
2. Mode: playback  
Refer to step 1 of the Record/playback Head Azimuth Adjustment on page 18 for the setup.
3. Adjust the FWD azimuth adjustment screw in the forward-playback mode and the REV azimuth adjustment screw in the reverse-playback mode so that the oscilloscope reads the maximum output and lissajous figure is in 30 angle reading on the oscilloscope across the LINE OUT.
4. Adjust the FWD tape-guide nut in the forward-playback mode and the REV tape-guide nut in the reverse-playback mode for an in-phase lissajous pattern.  
The turning amount of the nuts should be within 3/4 turns.
5. Repeat steps 3 and 4 several times until no improvement is obtained.
6. Play a mirror tape cassette in the forward-playback mode.
7. Confirm there is no tape curl at the tape guide.

**Note:** After these adjustments, be sure to perform the Record/playback Head Azimuth Adjustment on page 18.

**VIEWED FROM TOP**

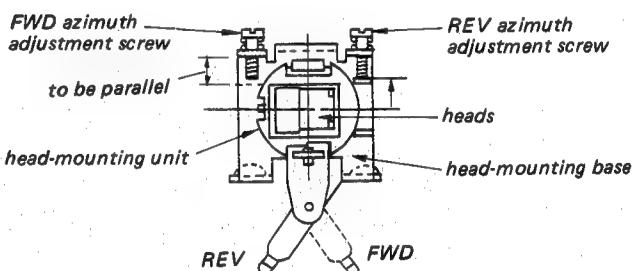
FWD tape guide adjustment nut  
REV head azimuth adjustment screw  
head center adjustment screw (forward-playback mode only)  
FWD head azimuth adjustment screw  
REV tape guide adjustment nut

**HEAD UNIT ADJUSTMENT WHEN REPLACED**

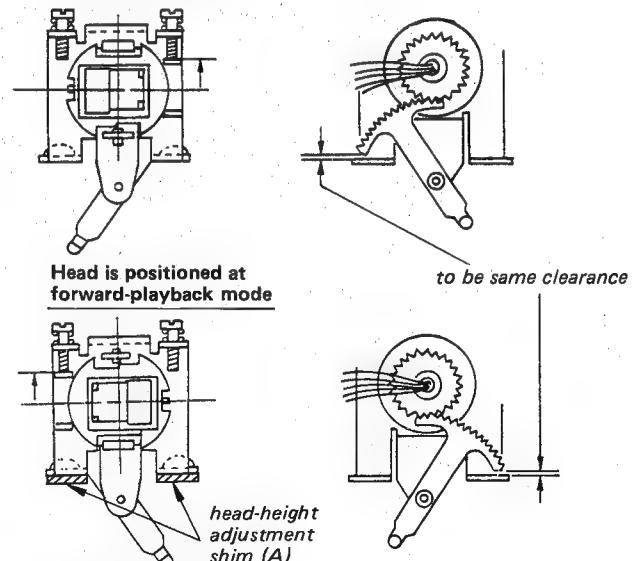
Perform the following preliminary adjustments before proceeding to the Head Center and Tape Path Adjustments.

**Preliminary Adjustment**

1. Install head-mounting unit on the head-mounting base by threading head lead wires through the round hole in the head-mounting base. Also refer to page 11.
2. By adjusting both head-azimuth adjustment screws in both forward-playback and reverse-playback mode head positions, align the head-compartment edge line in parallel with the edge line of the head-mounting unit at the azimuth adjustment screws. (visual adjustment)



Be sure to orient the rotary-head gear as shown below.  
Head is positioned at reverse-playback mode  
Install rotary head gear.



3. Reassemble the head assembly, head translation board, head-height adjustment shims (A), etc, in the reverse manner of disassembly on page 11.
4. Perform the Head-Center and Tape-Path Adjustments on pages 15 and 16.
5. Perform the Head-Azimuth Adjustment on page 18.

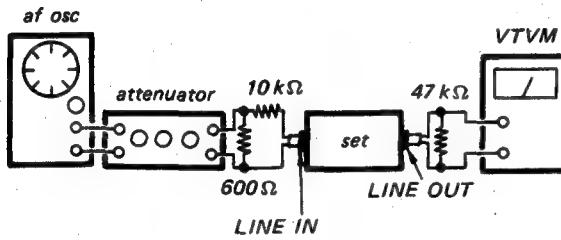
### 3-2. ELECTRICAL ADJUSTMENTS

**Note:** The adjustment should be performed in the order given in this service manual.  
The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.  
DOLBY NR switch: OFF  
TIMER switch: OFF

- Standard Record:  
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

#### — Record Mode —



#### Standard Input Level

	LINE IN
source impedance	10 kΩ
input level	0.25 V (-10 dB)

#### Standard Output Level

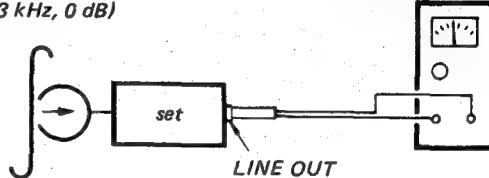
	LINE OUT
load impedance	47 kΩ
output level	0.44 V (-5 dB)

#### Tape Speed Adjustment

##### Procedure:

Mode: forward playback

test tape  
WS-48A  
(3 kHz, 0 dB)



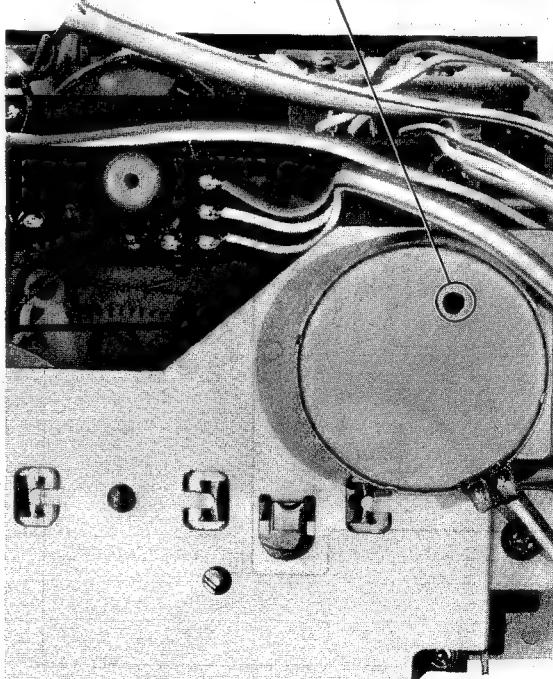
##### Specification:

Speed checker	Digital frequency counter
-1 ~ +1 %	2,970 Hz to 3,030 Hz

Frequency difference between the beginning and the end of the tape should be within 0.8% (25Hz).

##### Adjustment Location: Motor (M802)

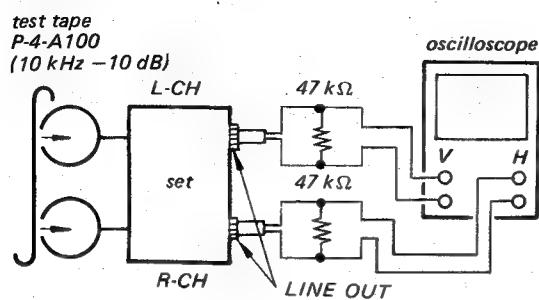
Built-in adjustable resistor  
(Adjust the speed by using screwdriver.  
When turning the screw clockwise,  
speed is faster.)



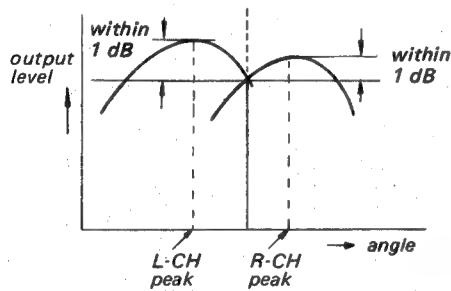
## Record/playback Head Azimuth Adjustment

### Procedure:

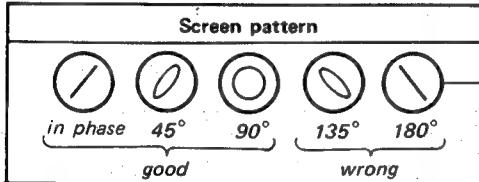
1. Mode: forward playback



2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screws until both of output levels match together within 1 dB.

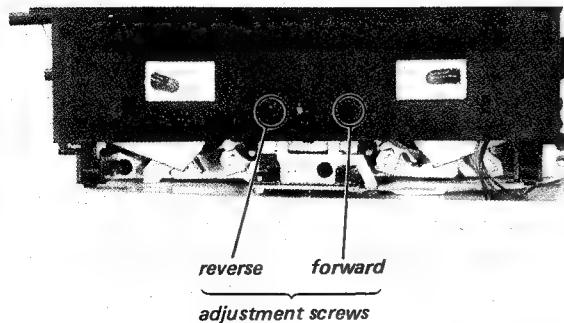


### • Phase Check



3. Set in the reverse mode and repeat the steps 1-2.
4. After the adjustment, lock the screws with locking compound.

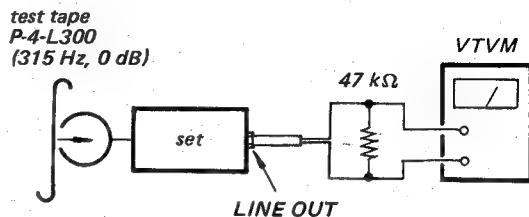
### Adjustment Location:



## Playback Level Adjustment

### Procedure:

1. Mode: forward playback



Adjust the RV101 (L-CH) and RV201 (R-CH) so that the specification is met.

### Specification:

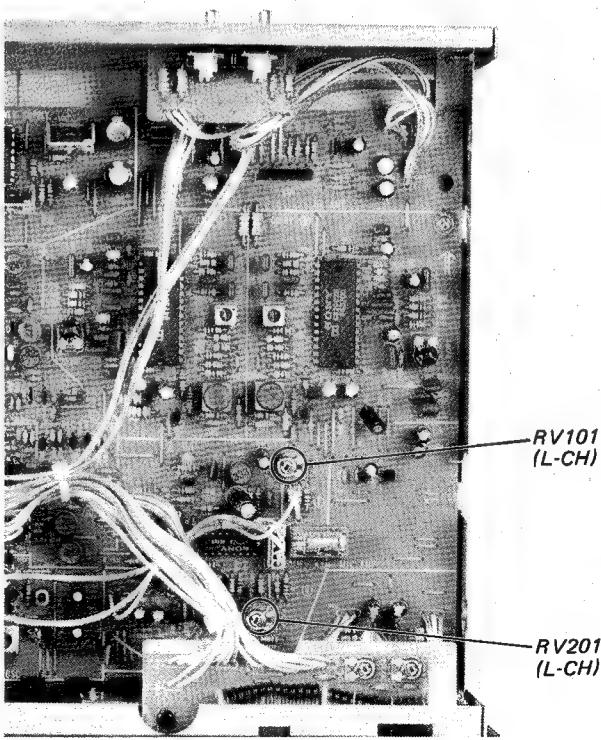
LINE OUT level: 0.41 to 0.46 V  
(-5.5 to -4.5 dB)

Level difference between channels:

less than 0.5 dB

Check that the LINE OUT level does not change in playback mode while changing the mode from playback to stop several times.

### Adjustment Location: audio board

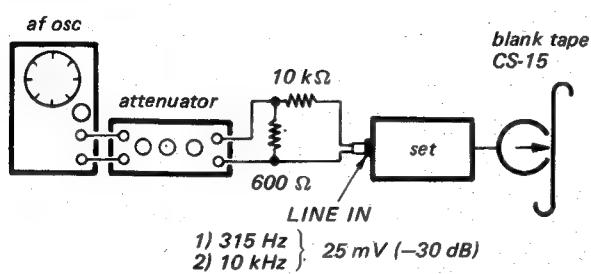


**Record Bias Adjustment****Setting:**

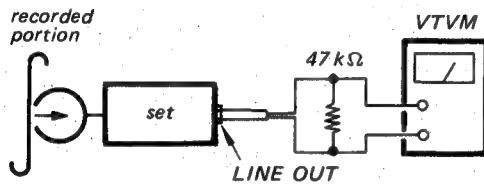
REC LEVEL control: standard record  
(See page 17.)

**Procedure:**

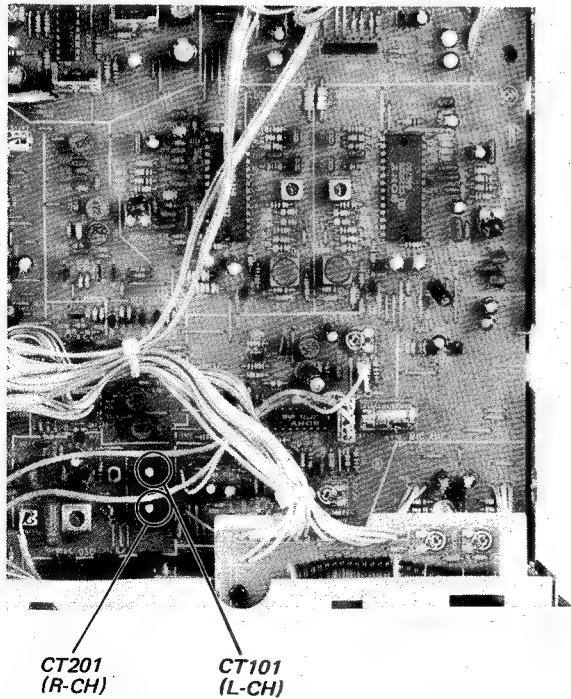
1. Mode: record



2. Mode: playback



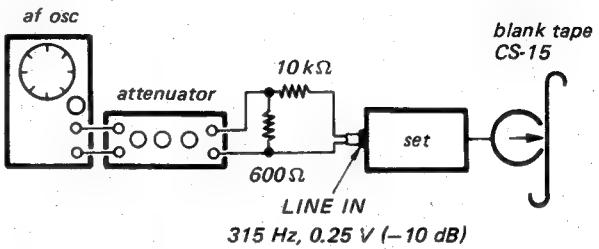
Confirm that the 10 kHz playback output is 0 dB relative to the 315 Hz output. If necessary, adjust CT101 (L-CH), CT201 (R-CH) and repeat the steps given above.

**Adjustment Location:** audio board**Record Level Adjustment****Setting:**

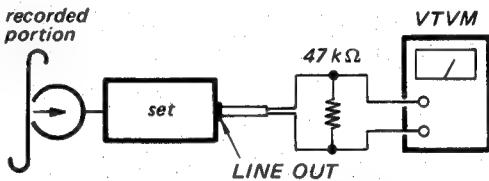
REC LEVEL control: standard record  
(See page 17.)

**Procedure:**

1. Mode: record



2. Mode: playback

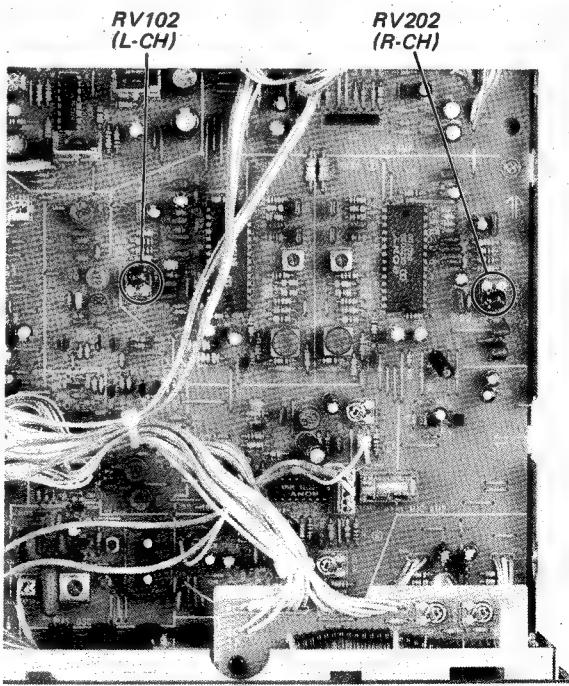


3. Play back the signal recorded in step 1.

Confirm that the signal level is within the specification below. If necessary, adjust RV102 (L-CH), RV202 (R-CH) and repeat the step 1-3.

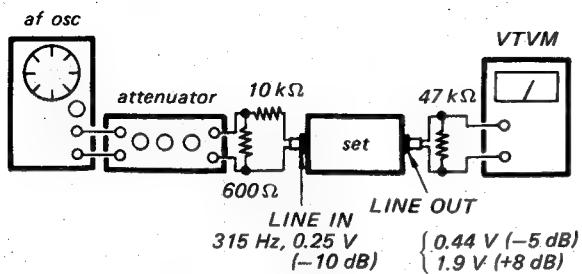
**Specification:**

LINE OUT level: 0.41–0.46 V  
(-5.5 to -4.5 dB)

**Adjustment Location:** audio board

## Level Meter Calibration

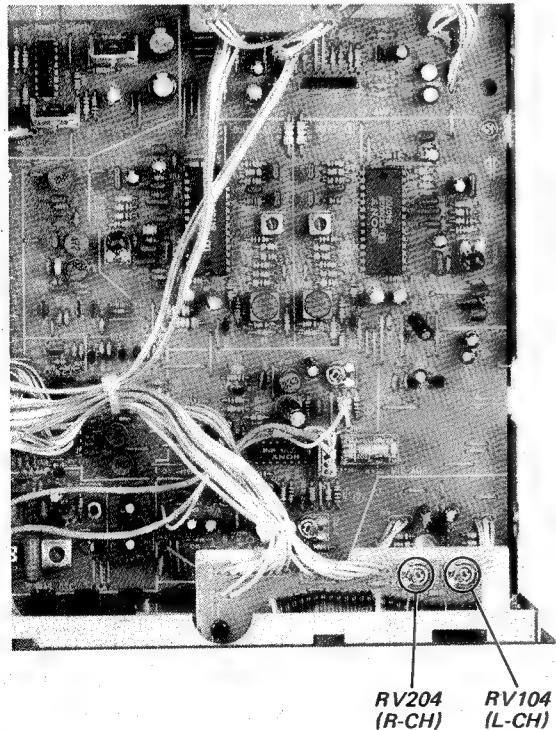
## Procedure:

1. Mode: record2. Set the REC LEVEL control so that the LINE OUT level is 0.44 V (-5 dB).3. Adjust RV104 (L-CH), RV204 (R-CH) so that the OVU (-4 dB) segment of the level meter goes on.

**Note:** The adjustment should be made while increasing the level.

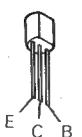
4. Set the REC LEVEL control so that the LINE OUT level is 1.9 V (+8 dB). Make sure that all the lights in the segments go on.

## Adjustment Location: audio board

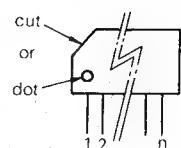


## ● Semiconductor Lead Layouts

2SC2001

2SD774,  
2SD774-5

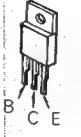
M5218L



2SB731



2SD1406



2SB808  
2SC2603F  
2SC634SP  
2SD809-K  
DTA114ES  
DTA124ES  
DTC124ES  
DTC143TS

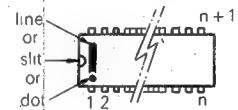
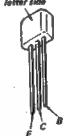


PH102

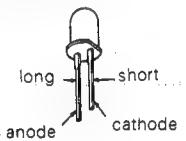


CX564-072  
CX10032A  
CX10033A  
CX10034  
CX10035  
CX20027  
CX20028  
M50761-417P  
M50783SP  
MB84069UB

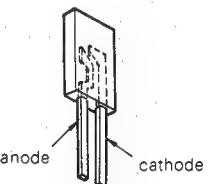
2SD1020

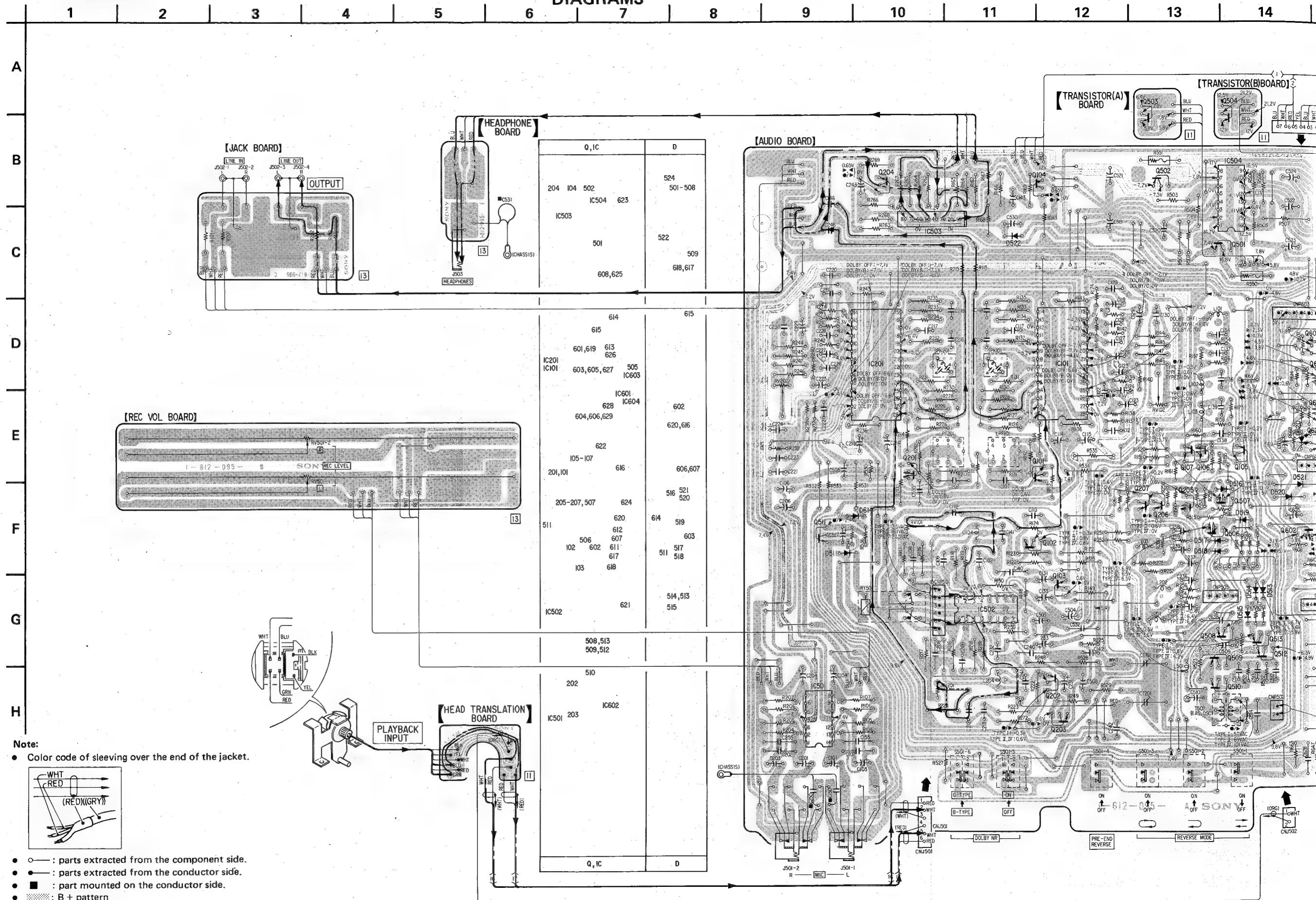


(Top view)

AA5638S  
BG5638S  
PR5638S

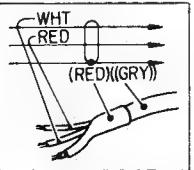
PY5531A





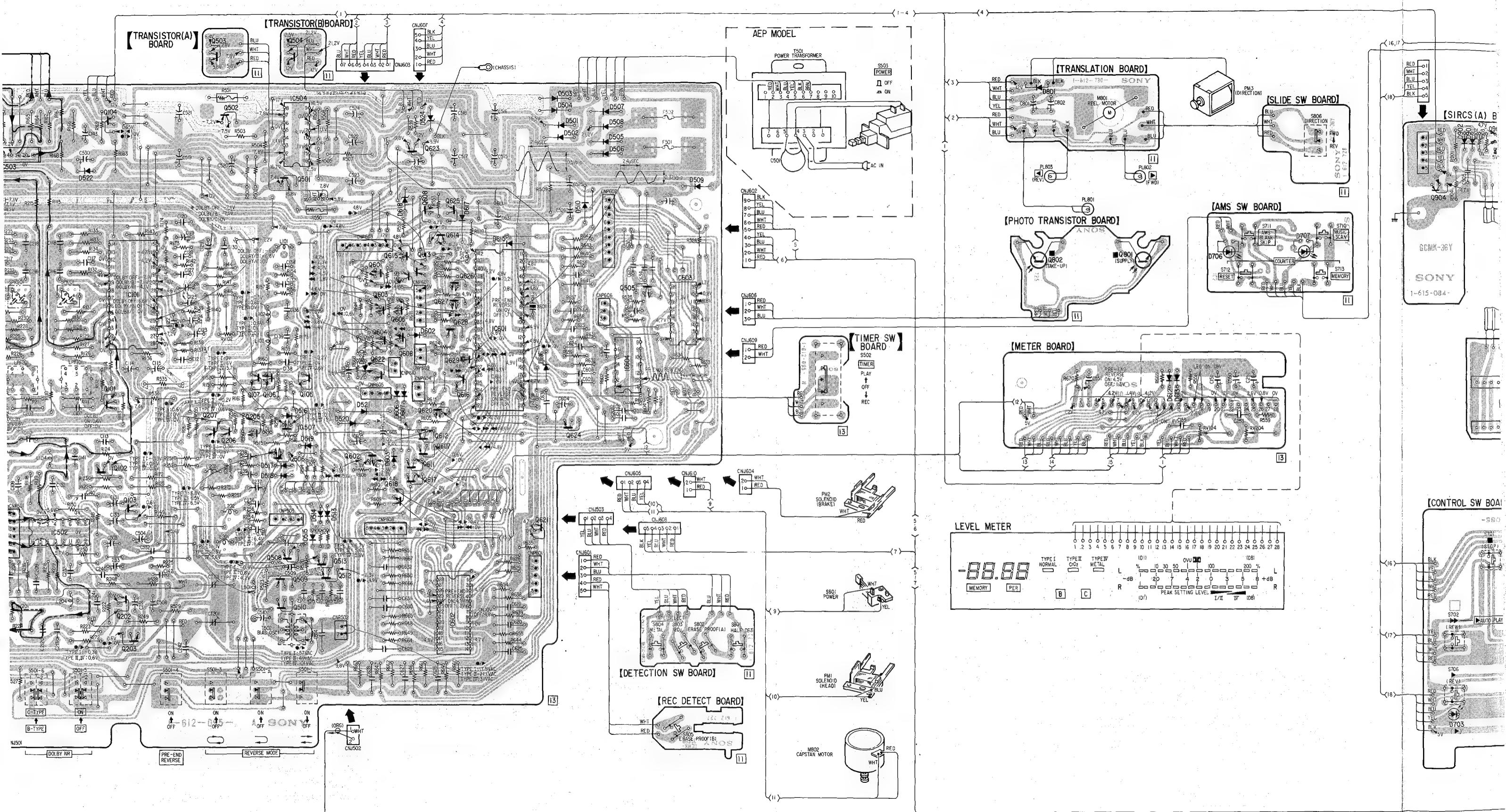
**Note:**

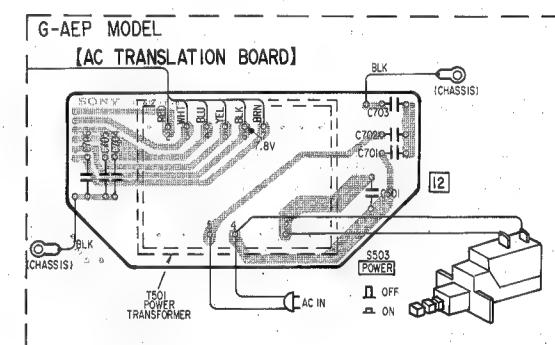
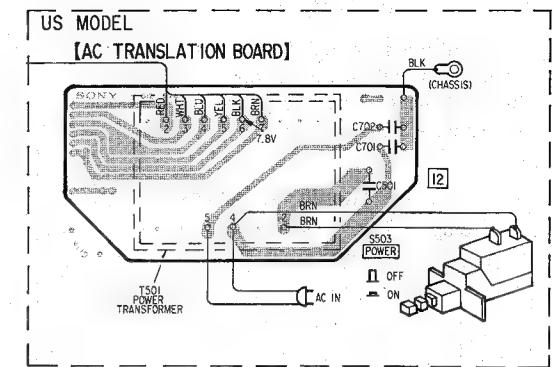
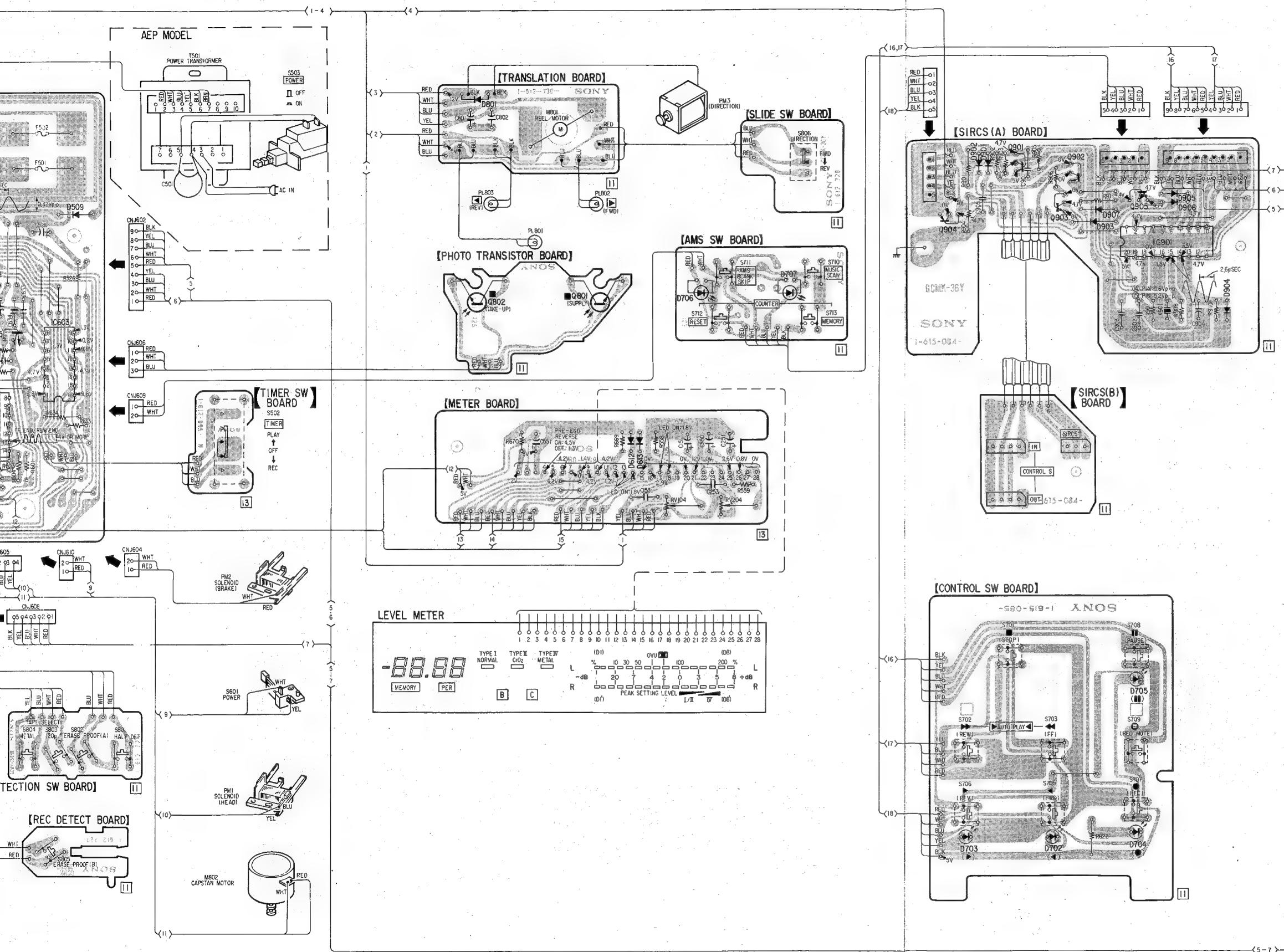
- Color code of sleeveing over the end of the jacket.

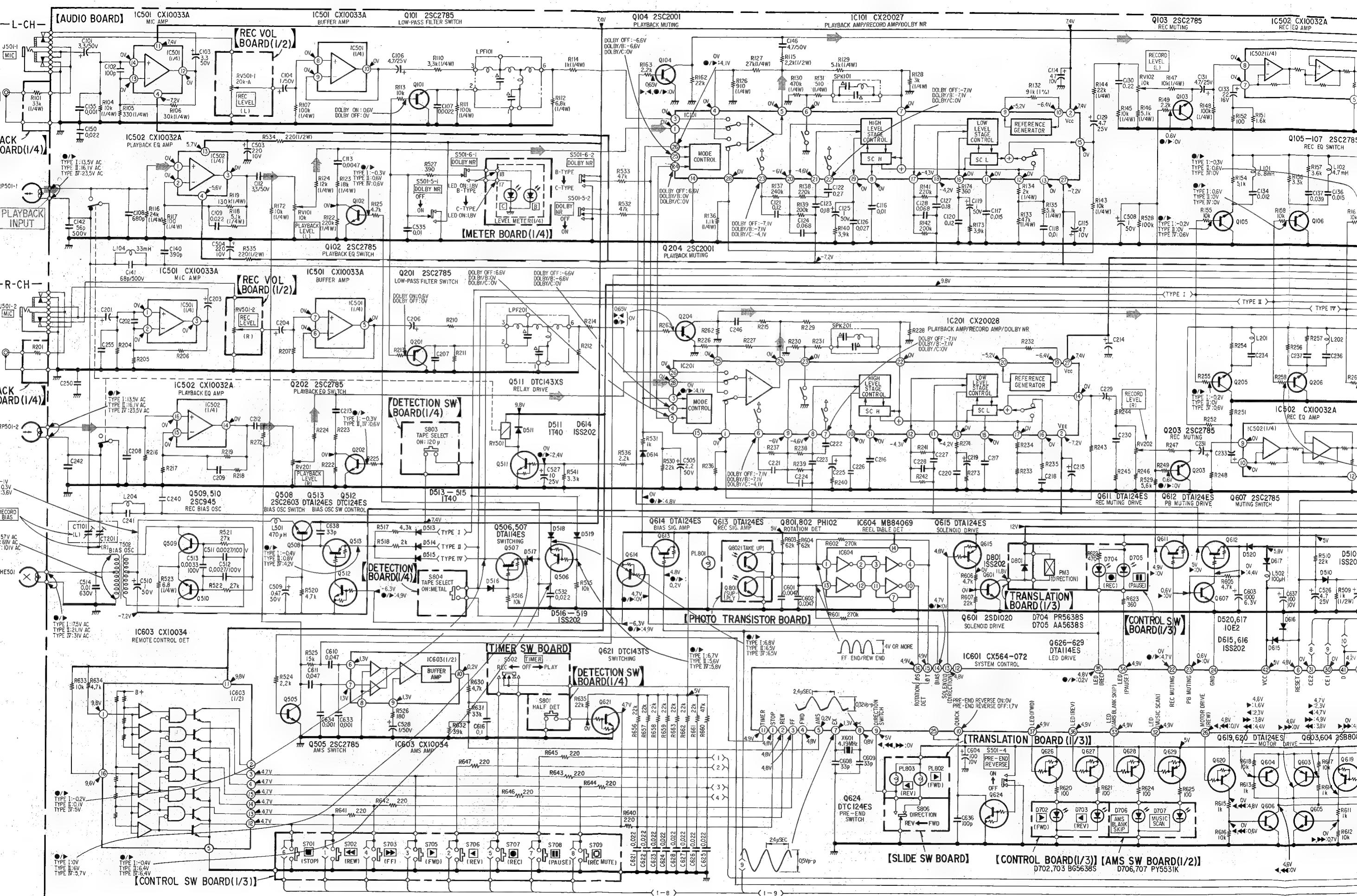


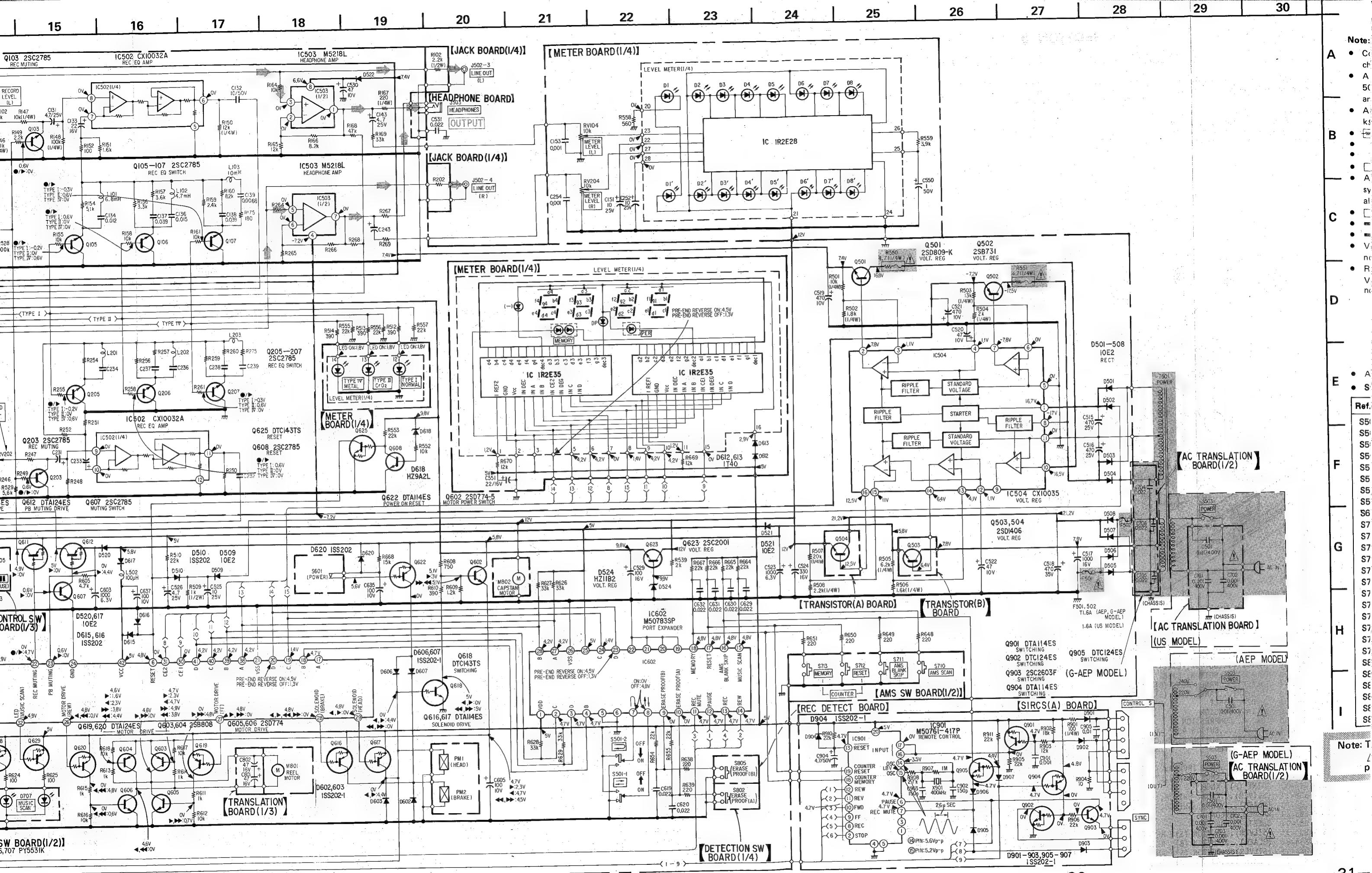
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : part mounted on the conductor side.
- : B + pattern
- ■■■■■ : B - pattern
- : signal path
- : L-CH signal path
- : R-CH signal path

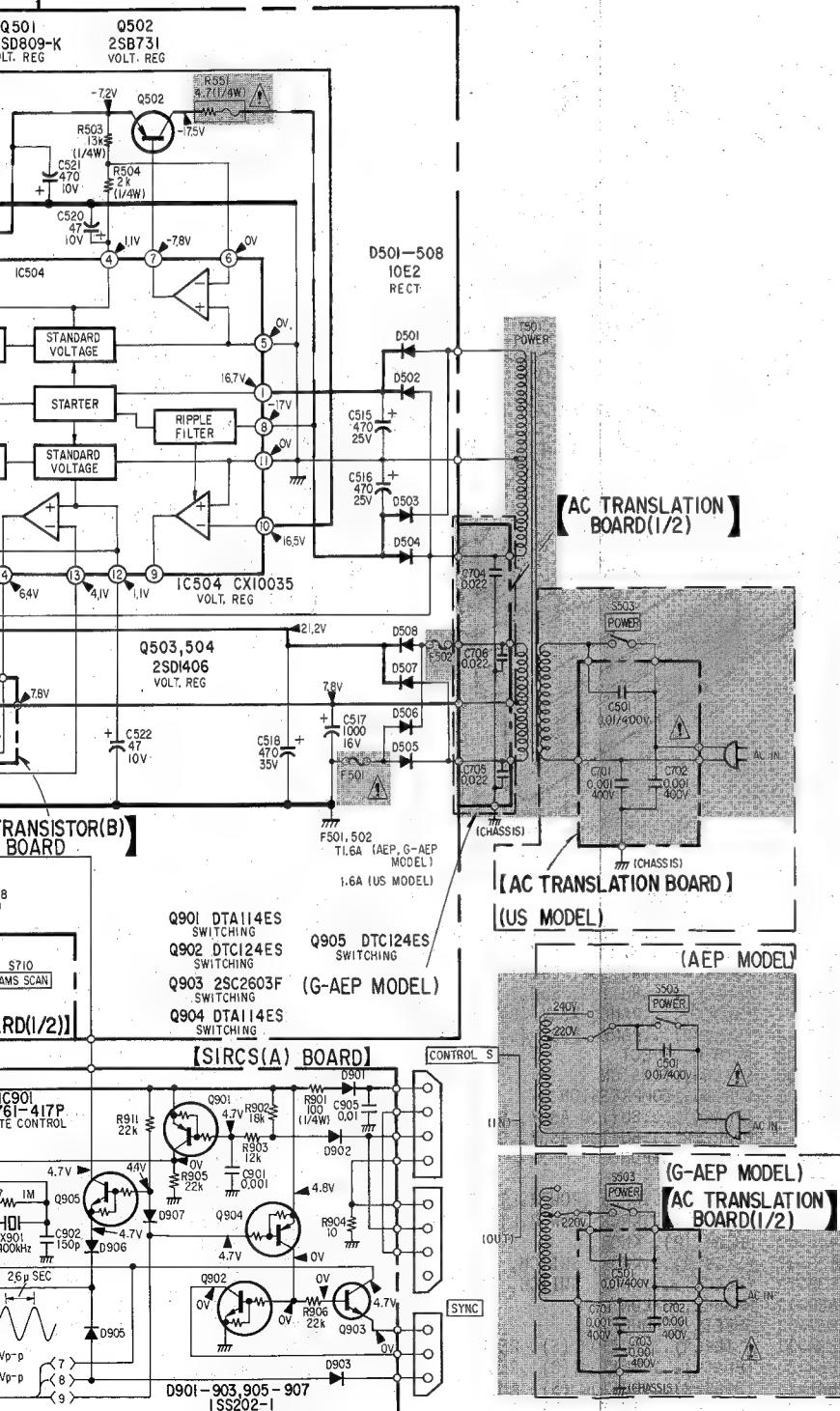
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27











**Note:**

- Components for right channel have same values as for left channel. Reference numbers are coded from 201.
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms,  $\frac{1}{2}\text{W}$  unless otherwise noted.  
 $\text{k}\Omega$ : 1000  $\Omega$ ,  $\text{M}\Omega$ : 1000  $\text{k}\Omega$
-  : fusible resistor.
-  : internal component.
-  : signal path.
-  : panel designation.
- AMS circuit is not needed for new units using new system-control IC "CX564-072" for IC601. In that unit, all components for AMS circuit are not installed.
-  : adjustment for repair.
-  : B+ bus.
-  : B- bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM.  
no mark: STOP
  - ▶ : FWD
  - ◀ : REV
  - ▶▶ : FF
  - ◀◀ : FAST-REVERSE
  - : REC
  - /▶ : REC/FWD
- AC voltage readings in the bias oscillator with a VTVM.
- **Switch**

Ref. No.	Switch	Position
S501-1		ON
S501-2		OFF
S501-3		OFF
S501-4	PRE-END REVERSE	OFF
S501-5	DOLBY NR ON/OFF	OFF
S501-6	DOLBY NR C-TYPE/B-TYPE	B-TYPE
S502	TIMER	OFF
S503	POWER	OFF
S601	POWER	OFF
S701	STOP	OFF
S702	REW	OFF
S703	FF	OFF
S705	FWD	OFF
S706	REV	OFF
S707	REC	OFF
S708	PAUSE	OFF
S709	PEC MUTE	OFF
S710	MUSIC SCAN	OFF
S711	AMS BLANK SKIP	OFF
S712	RESET	OFF
S713	MEMORY	OFF
S801	HALF DET	OFF
S802	ERASE PROOF (A)	OFF
S803	TAPE SELECT (120 $\mu$ )	OFF
S804	TAPE SELECT (METAL)	OFF
S805	ERASE PROOF (B)	OFF
S806	DIRECTION	FWD

**Note:** The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## SECTION 5

### EXPLODED VIEWS AND PARTS LIST

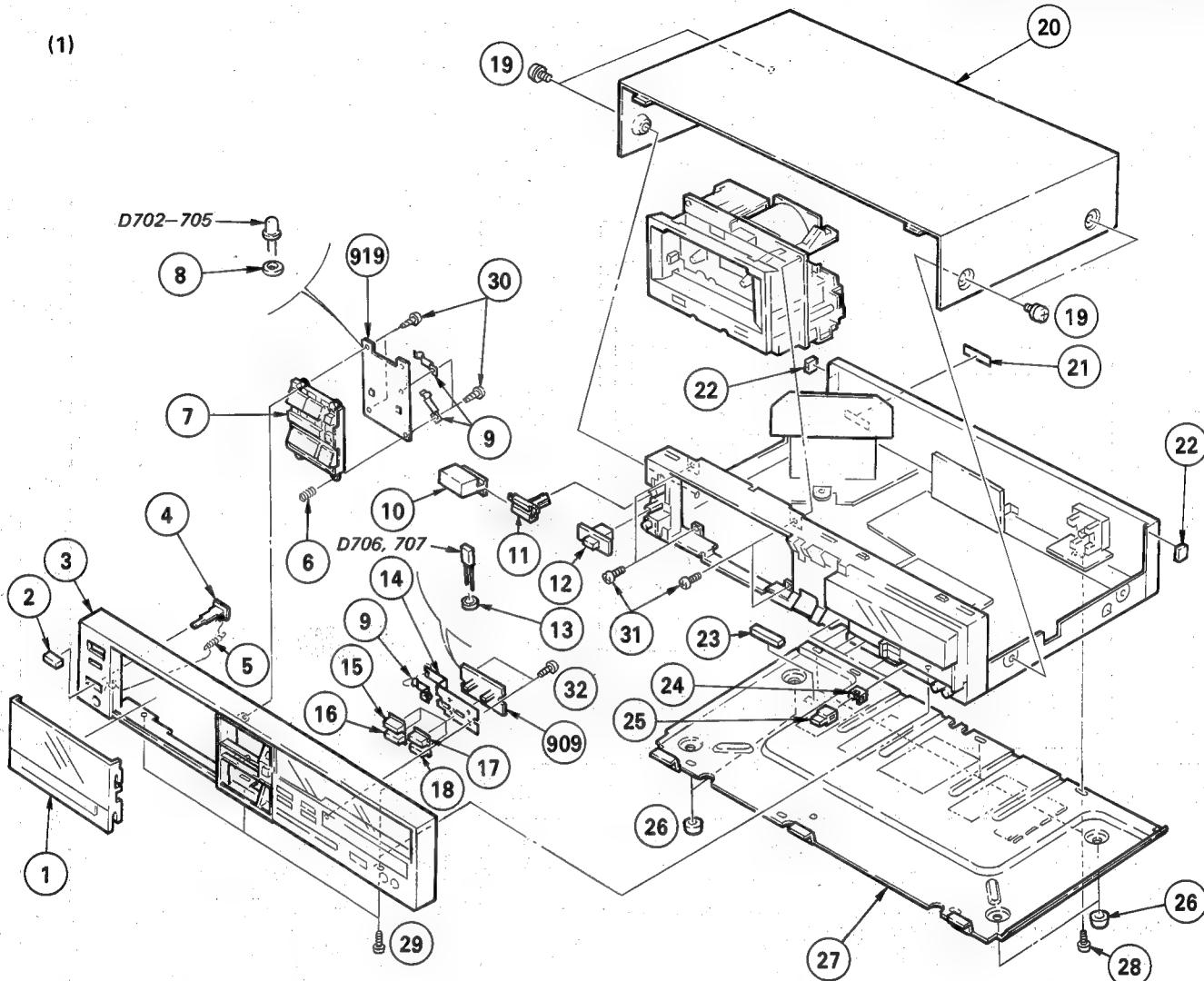
## NOTE:

The mechanical parts with no reference number in the exploded views are not supplied.

Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

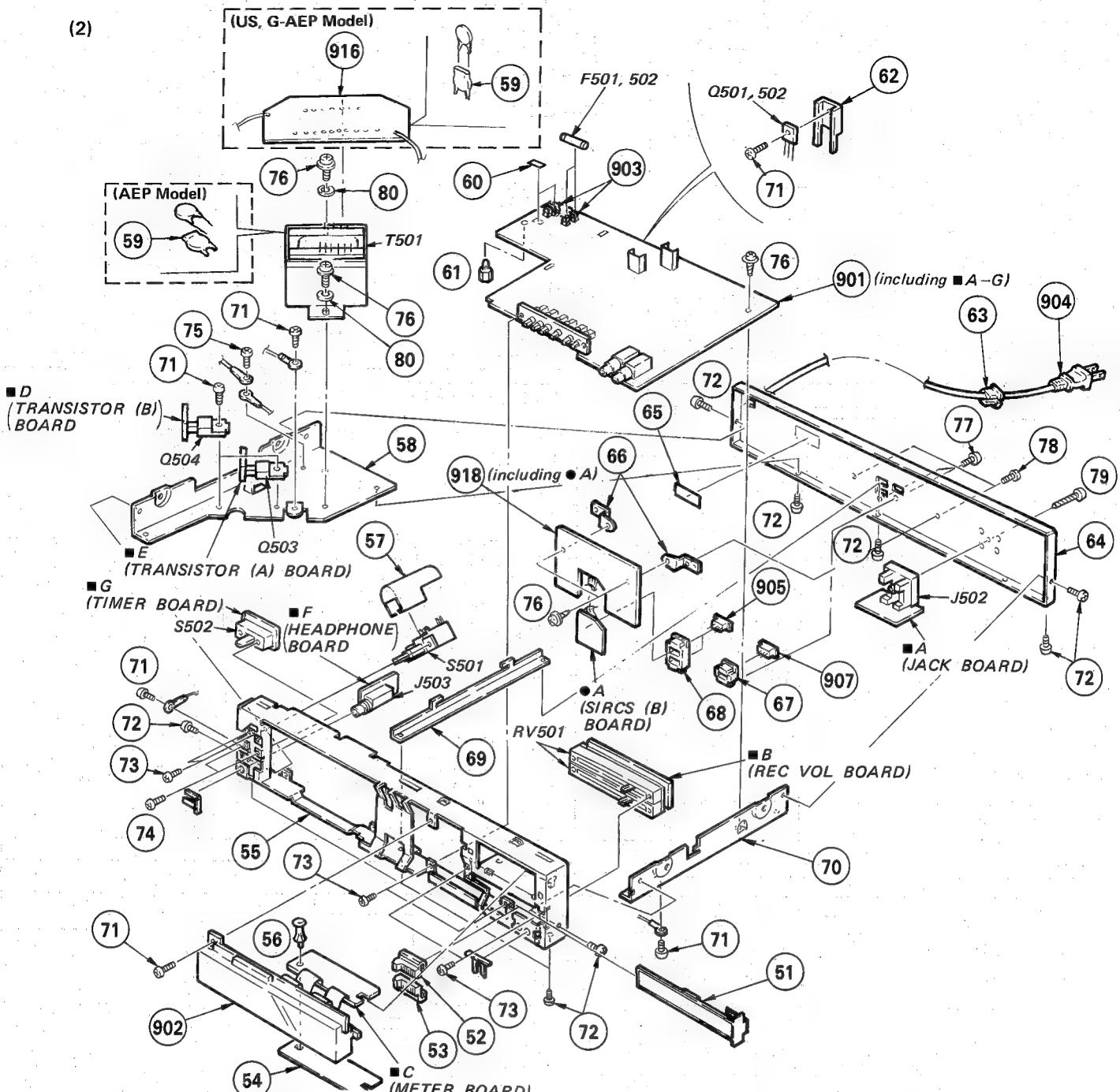
The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-3318-828-1 X-3318-829-1	(BLACK)....WINDOW ASSY (B), CASSETTE (SILVER)....WINDOW ASSY (B), CASSETTE		17	3-318-834-01 3-318-834-21	(SILVER)....BUTTON (S), MEMORY (BLACK)....BUTTON (B), MEMORY	
2	3-304-419-00	(SILVER)....BUTTON, EJECT		18	3-318-847-01 3-318-847-41	(SILVER)....BUTTON (S), MS (BLACK)....BUTTON (B), MS	
3	3-304-419-31	(BLACK)....BUTTON, EJECT		19	4-889-321-01 4-889-321-11	(SILVER)....SCREW (BLACK)....SCREW	
4	X-3318-830-1 *3-318-848-01	(BLACK)....PANEL ASSY (B), FRONT (SILVER)....PANEL ASSY (S), FRONT SLIDER, EJECT		20	3-307-532-11 3-318-532-31	(BLACK)....CASE (SILVER)....CASE	
5	3-540-244-00	SPRING, TENSION		21	*4-302-759-00	LABEL, SERIAL NUMBER	
6	3-554-017-00	SPRING, COMPRESSION		22	9-911-840-XX	RUBBER (B)	
7	X-3318-832-1 X-3318-833-1	(BLACK)....BUTTON ASSY, CONTROL (SILVER)....BUTTON ASSY, CONTROL		23	9-911-851-XX	CUSHION	
8	3-318-865-01	WASHER, NYLON		24	4-864-307-00	RING	
9	*3-318-866-01	SPRING		25	3-318-909-11 3-318-909-21	(BLACK)....KNOB, PUSH (SILVER)....KNOB, PUSH	
10	3-318-911-01 3-318-911-11	(SILVER)....KNOB (POWER.L), T MOLD (BLACK)....KNOB (POWER.L), T MOLD		26	3-576-731-00	FELT (H)	
11	3-318-915-01	JOINT (P), KNOB		27	*3-307-540-00	PLATE, BOTTOM	
12	3-307-538-11 3-307-538-21	(SILVER)....KNOB, SWITCH, TIMER (BLACK)....KNOB, SWITCH, TIMER		28	7-685-872-01	SCREW +BVT 3X8	
13	3-318-865-11	WASHER, NYLON		29	7-685-871-01	SCREW +BVT 3X6 (S)	
14	*3-318-867-01	SHEET, CONDUCTIVE		30	7-685-146-19	SCREW +BTP 3X8 TYPE2 N-S	
15	3-318-834-11 3-318-834-31	(SILVER)....BUTTON (S), RESET (BLACK)....BUTTON (B), RESET		31	7-685-751-09	SCREW +BVT 3X6 (S)	
16	3-318-847-11 3-318-847-31	(SILVER)....BUTTON (S), AMS (BLACK)....BUTTON (B), AMS		32	7-687-204-11	TOTSU PTPWH 2X6 NON-SLIT, TYPE2	
				909	*1-612-102-11	PC BOARD, AMS SW	
				919	*1-615-085-11	PC BOARD, CONTROL SW	

(2)



No.

Part No.

Description

Remarks

No.

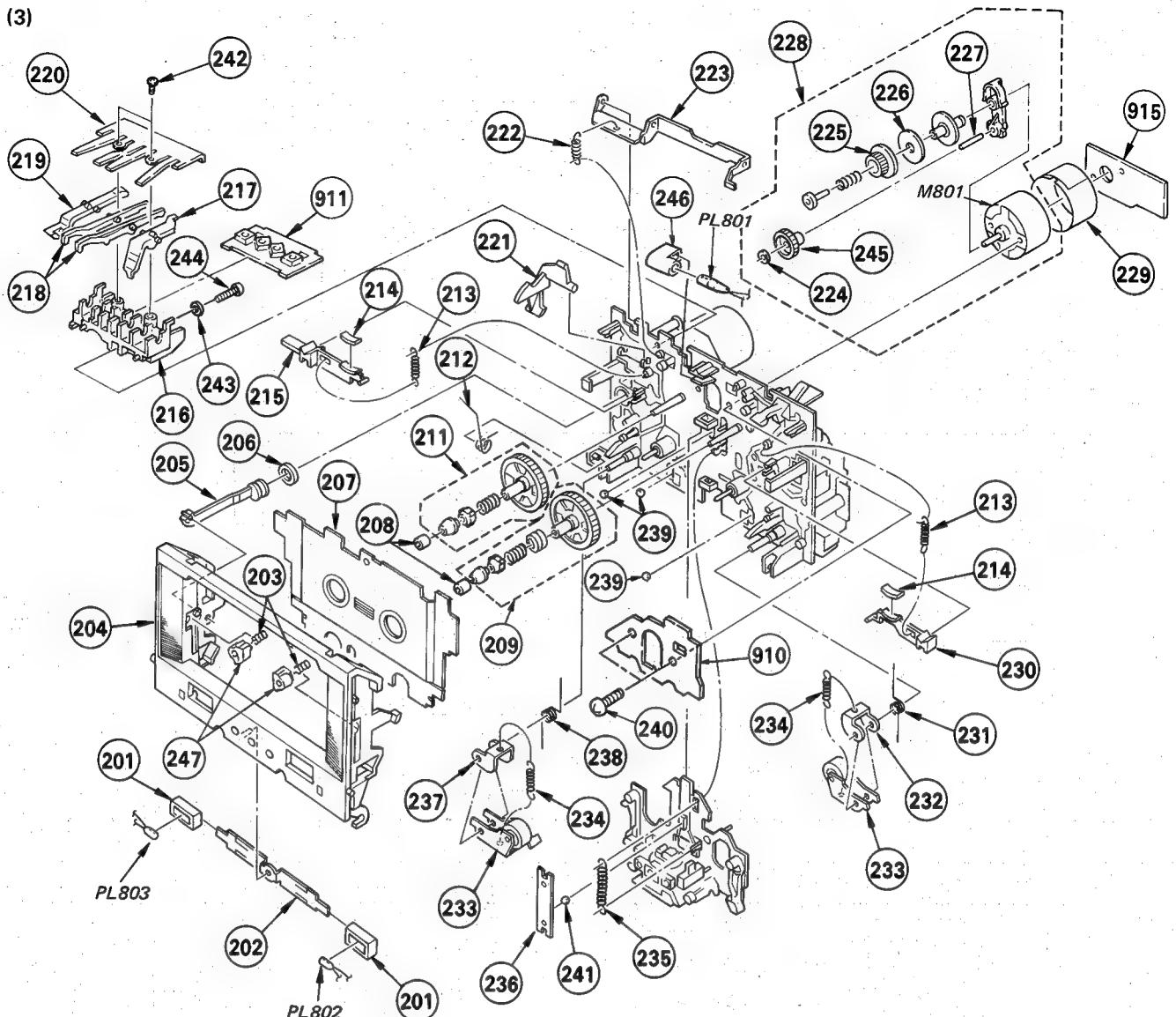
Part No.

Description

Remarks

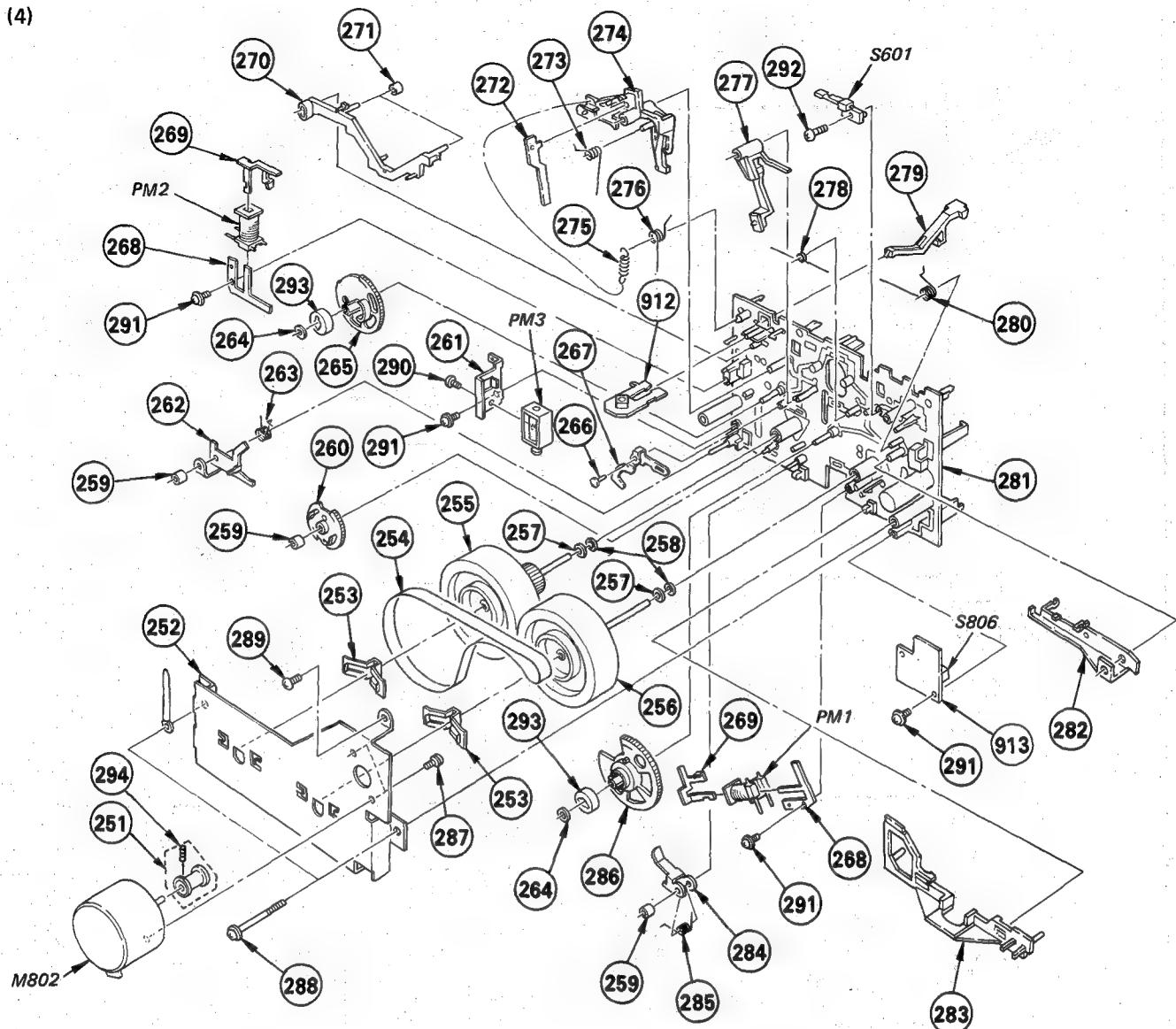
51	X-3318-803-1	(SILVER)...PLATE ASSY (B), ORNAMENTAL	68	*3-322-818-01	HOLDER, CONNECTOR
52	3-318-913-11	(BLACK)...PLATE ASSY (B), ORNAMENTAL	69	*3-318-828-01	PLATE, RELAY
53	3-318-913-21	(BLACK)...KNOB (LEFT), REC CONTROL	70	*3-318-827-01	PLATE, SIDE, RIGHT
54	*3-318-914-21	(SILVER)...KNOB (LEFT), REC CONTROL	71	7-685-871-01	SCREW +BVTT 3X6 (S)
55	*3-318-837-01	PLATE, SHIELD	72	7-685-872-01	SCREW +BVTT 3X8
56	*3-318-857-11	CHASSIS, AMPLIFIER	73	7-682-646-01	SCREW +PS 3X5
57	4-812-134-00	RIVET NYLON, 3.5	74	7-628-254-05	SCREW +PS 2.6X5
58	*3-307-525-21	COVER, POWER SWITCH	75	7-685-870-01	SCREW +BVTT 3X6
59	*4-875-455-01	PLATE, SIDE, LEFT	76	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6
60	*3-701-946-22	COVER (DIA. 20), CAPACITOR	77	7-685-133-19	SCREW +P 2.6X6 TYPE2 NON-SLIT
61	*3-701-948-16	(US).....LABEL, FUSE	78	7-682-546-09	SCREW +B 3X5
62	*4-861-614-51	(AEP,G-AEP)....LABEL, FUSE	79	7-685-146-19	SCREW +BTP 3X8 TYPE2 N-S
63	3-703-244-00	HOLDER, PC BOARD	80	7-623-210-22	SW 4, TYPE 2
64	3-703-571-00	HEAT SINK	901	*A-2056-277-A	PC BOARD ASSY, AUDIO
65	*3-318-884-01	(AEP,G-AEP)....BUSHING (S) (4516), CORD	902	1-520-472-21	METER, LEVEL (LED INDICATOR)
66	*3-318-884-11	(AEP,G-AEP)....PLATE, JACK	903	1-533-162-00	HOLDER, FUSE
67	*3-703-044-26	(US)....LABEL, CAUTION	904	A.1-534-817-XX	(AEP,G-AEP)....CORD, POWER, EULO PLUG
		BRACKET, PC BOARD		A.1-551-628-00	(US).....CORD, POWER
		HOLDER, CONNECTOR	905	*1-560-039-00	PIN, CONNECTOR
			907	*1-560-280-00	CONNECTOR PIN 3P
			916	*1-612-978-11	(US,G-AEP)....PC BOARD, AC TRANSLATION
			918	*1-615-084-11	PC BOARD, CIRCS

(3)



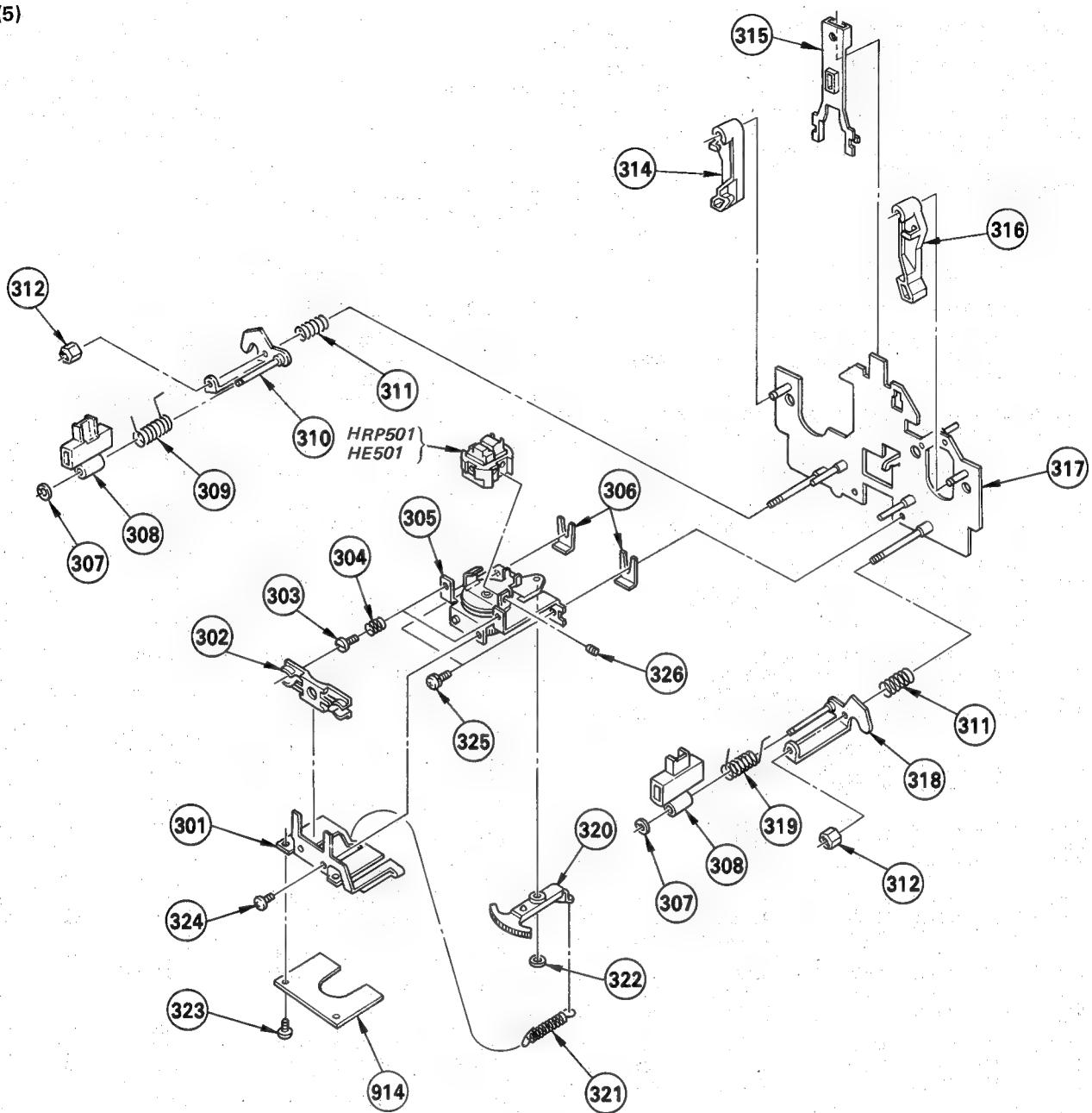
No.	Part No.	Description	REMARKS	No.	Part No.	Description	REMARKS
201	3-307-459-00	RUBBER, HOLDER		225	3-575-324-00	GEAR, LIMITER	
202	3-319-640-01	HOLDER, LAMP		226	3-564-027-11	FELT, LIMITER	
203	3-610-808-00	SPRING(1)		227	3-575-304-00	SHAFT, GEAR, FR	
204	3-319-682-01	HOLDER, CASSETTE		228	X-3319-612-1	MOTOR ASSY, REEL	224, 225, 226, 227, 245
205	3-319-613-01	PISTON (B)		229	3-575-457-00	PLATE (B), SHIELD, MOTOR	
206	3-312-441-00	RING, PISTON		230	*3-319-615-01	LEVER (RIGHT), BACK TENSION	
207	X-3318-819-1	RETAINER ASSY, CASSETTE		231	3-319-650-01	SPRING (R)	
208	3-319-607-01	BUSHING, REEL TABLE		232	*3-319-652-01	PLATE (RIGHT), LIMITER	
209	X-3319-626-1	TABLE ASSY(R), REEL		233	X-3319-607-1	PINCH LEVER ASSY	
210	.....			234	3-319-686-01	SPRING, TENSION	
211	X-3319-627-1	TABLE ASSY(L), REEL		235	3-319-685-01	SPRING, TENSION	
212	3-319-614-01	SPRING		236	3-319-601-01	SPRING	
213	3-319-694-01	SPRING, TENSION		237	*3-319-653-01	PLATE (LEFT), LIMITER	
214	3-575-346-01	FELT, BREKE		238	3-319-651-01	SPRING (L)	
215	*3-319-611-01	LEVER (LEFT), BACK TENSION		239	7-671-112-01	STEEL, BALL	
216	3-319-670-01	HOLDER, SWITCH, DETECTION		240	7-621-775-60	SCREW +B 2.6X12	
217	3-319-605-01	LEVER, METAL DETECTION		241	7-671-112-11	BALL, STEEL	
218	3-319-603-01	LEVER, REC DETECTION		242	7-685-102-21	SCREW +PTP 2.6X4 TYPE2 SLIT	
219	3-319-604-01	LEVER, HALF DETECTION		243	7-688-002-01	W 2.6, SMALL	
220	3-319-602-01	SPRING		244	7-685-865-01	SCREW +BVTT 2.6X12 (S)	
221	3-319-669-01	LEVER, EJECT		245	3-575-332-00	GEAR, FR	
222	3-312-432-00	SPRING, TENSION		246	3-319-636-01	RUBBER, LAMP HOLDER	
223	*3-319-678-01	LEVER, SWITCH LIFT		247	3-319-693-01	RUBBER, CASSETTE HOLDER	
224	3-307-394-00	RETAINER (B), THRUST		910	*1-612-725-11	PC BOARD, PH.T	
				911	*1-612-726-11	PC BOARD, DETECTION SW	
				915	*1-612-730-11	PC BOARD, TRANSLATION	

(4)



No.	Part No.	Description	REMARKS	No.	Part No.	Description	REMARKS
251	X-3319-617-1	PULLEY ASSY, MOTOR		294	*X-3319-614-1	LEVER ASSY, PAUSE	
252	*3-319-665-01	RETAINER, THRUST		275	3-555-124-00	SPRING, TENSION	
253	3-319-608-01	RETAINER, THRUST		276	3-319-637-01	SPRING (R)	
254	3-319-630-01	BELT (R), CAPSTAN		277	*X-3319-615-1	LEVER ASSY, FWD LOCK	
255	X-3319-606-1	FLYWHEEL (T) ASSY		278	3-319-649-01	SPRING	
256	X-3319-601-1	FLYWHEEL ASSY		279	3-319-666-01	LEVER (RIGHT), REC. DETECTION	
257	3-701-438-11	WASHER, 2.5		280	3-319-633-01	SPRING	
258	3-307-482-00	WASHER, LUMILER		281	X-3319-611-1	CHASSIS ASSY, MECHANICAL	
259	3-319-607-01	BUSHING, REEL TABLE		282	*3-319-676-01	LEVER, FWD	
260	3-319-674-01	GEAR, REVERSE CAM		283	*3-319-681-01	SLIDER, REVERSE	
261	*3-319-639-01	BRACKET, TRIGGER PM		284	*3-319-658-01	LEVER, TRIGGER KICK	
262	*3-319-628-01	LEVER, REVERSE TRIGGER		285	3-319-660-01	SPRING	
263	3-319-648-01	SPRING		286	3-319-689-01	GEAR, FWD CAM	
264	3-307-394-00	RETAINER (B), THRUST		287	7-628-253-95	SCREW +PS 2.6X4	
265	3-319-688-01	GEAR, PAUSE CAM		288	7-685-879-01	SCREW +BVTT 3X30 (S)	
266	*3-319-664-01	SHAFT, CONTROL LEVER		289	7-685-646-21	SCREW +BVTP 3X8 (S)	
267	*3-319-683-01	LEVER, CONTROL, TRIGGER		290	7-685-850-01	SCREW +BVTT 2X3 (S)	
268	3-307-332-00	ARBOR, FIXED		291	7-687-204-11	TOTSU PTPWH 2X6 NON-SLIT, TYPE2	
269	3-307-333-00	ARBOR, TRIGGER		292	7-685-792-01	SCREW +PTT 2.6X5	
270	*3-319-668-01	PLATE, BRAKE		293	1-452-202-00	MAGNET	
271	3-319-662-01	RUBBER, BRAKE		294	7-621-733-08	SET-SCT, HEX 2X4 FLAT POINT	
272	3-319-612-01	SPRING		912	*1-612-727-11	PC BOARD, REC DET	
273	3-319-606-01	SPRING		913	*1-614-396-11	PC BOARD, SLIDE SW	

(5)



No.	Part No.	Description	REMARKS	No.	Part No.	Description	REMARKS
301	3-319-620-01	PLATE, ORNAMENTAL, HEAD		312	3-319-638-01	NUT, ADJUSTMENT	
302	3-319-644-01	STOPPER		314	3-319-643-01	LEVER (L), P ROLLER SELECTION	
303	3-319-663-01	SCREW, ADJUSTMENT, AZIMUTH		315	3-319-684-01	PROTECTOR, EDGE	
304	3-307-460-00	SPRING, COMPRESSION		316	3-319-642-01	LEVER (R), P ROLLER SELECTION	
305	X-3319-613-1	BRACKET COMPLETE ASSY, HEAD		317	*X-3319-610-1	CHASSIS ASSY, REVERSE HEAD	
306	3-307-477-01	SEAM (A), HEAD ADJUSTMENT		318	*X-3319-608-1	LEVER (RIGHT) ASSY, GUIDE	
	3-307-477-11	SEAM (A), HEAD ADJUSTMENT		319	3-306-250-00	SPRING (RIGHT)	
	3-307-477-21	SEAM (A), HEAD ADJUSTMENT		320	3-319-625-01	GEAR, ROTARY HEAD	
	3-307-477-31	SEAM (A), HEAD ADJUSTMENT		321	3-306-258-01	SPRING, TENSION	
	3-307-477-41	SEAM (A), HEAD ADJUSTMENT		322	7-624-102-04	STOP RING 1.5	
307	3-307-394-00	RETAINER (B), THRUST		323	7-685-850-01	SCREW +BVT 2X3 (S)	
308	3-306-269-01	GUIDE, TAPE		324	7-627-553-17	SCREW, PRECISION +P 2X2	
309	3-306-249-00	SPRING (LEFT)		325	7-628-253-05	SCREW +PS 2X4	
310	*X-3319-609-1	LEVER (LEFT) ASSY, GUIDE		326	7-621-710-26	SET-SCREW, SLOT 2X3 FLAT POINT	
311	3-537-215-00	SPRING, COMPRESSION		914	*1-612-729-11	PC BOARD, HEAD TRANSLATION	

## SECTION 6

### ELECTRICAL PARTS LIST

## NOTE:

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

## CAPACITORS:

MF:  $\mu$ F, PF:  $\mu$ PF.

## RESISTORS

All resistors are in ohms.

F: nonflammable

## COILS

MMH : mH, UH :  $\mu$ H

## SEMICONDUCTORS

In each case, U : v, for example:

UA...:  $\mu$ A..., UPA...:  $\mu$ PA..., UPC...:  $\mu$ PC,  
UPD...:  $\mu$ PD...

The components identified by shading and mark  $\triangle$  are critical for safety.  
Replace only with part number specified.

## ELECTRICAL PARTS

Ref. No.	Part No.	Description				
901	*A-2056-277-A	PC BOARD ASSY, AUDIO				
902	1-520-472-21	METER, LEVEL (LED INDICATOR)				
903	1-533-162-00	HOLDER, FUSE				
904	$\triangle$ A-1-534-817-XX	(AEP, G-AEP)... CORD, POWER, EU/US PLUG				
	$\triangle$ A-1-551-628-00	(US) ... CORD, POWER				
905	*1-560-039-00	PIN, CONNECTOR				
906	*1-560-070-00	BASE POST				
907	*1-560-280-00	CONNECTOR PIN 3P				
908	*1-560-594-00	BASE POST, MCD CONNECTOR 9P				
909	*1-612-102-11	PC BOARD, AMS SW				
910	*1-612-725-11	PC BOARD, P.H.T				
911	*1-612-726-11	PC BOARD, DETECTION SW				
912	*1-612-727-11	PC BOARD, REC DETECT				
913	*1-612-728-11	PC BOARD, SLIDE SW				
914	*1-612-729-11	PC BOARD, HEAD TRANSLATION				
915	*1-612-730-11	PC BOARD, TRANSLATION				
916	*1-612-978-11	(US, G-AEP)... PC BOARD, AC TRANSLATION				
917	*1-614-396-11	PC BOARD, SLIDE SW				
918	*1-615-084-11	PC BOARD, CIRCS				
919	*1-615-085-11	PC BOARD, CONTROL SW				
C101	1-123-382-00	ELECT	3.3MF	20%	50V	
C102	1-162-037-00	CERAMIC	100PF	5%	50V	
C103	1-123-382-00	ELECT	3.3MF	20%	50V	
C104	1-123-380-00	ELECT	1MF	20%	50V	
C106	1-123-369-00	ELECT	4.7MF	20%	25V	
C107	1-162-111-00	CERAMIC	0.0022MF	30%	25V	
C108	1-162-108-00	CERAMIC	680PF	10%	50V	
C109	1-136-157-00	FILM	0.022MF	5%	50V	
C112	1-124-184-00	ELECT	3.3MF	20%	50V	
C113	1-106-188-00	MYLAR	0.0047MF	5%	50V	
C114	1-123-306-00	ELECT	47MF	20%	10V	
C115	1-123-306-00	ELECT	47MF	20%	10V	
C116	1-136-153-00	FILM	0.01MF	5%	50V	
C117	1-136-155-00	FILM	0.015MF	5%	50V	
C118	1-136-153-00	FILM	0.01MF	5%	50V	
C119	1-123-380-00	ELECT	1MF	20%	50V	
C120	1-136-166-00	FILM	0.12MF	5%	50V	
C121	1-136-166-00	FILM	0.12MF	5%	50V	
C122	1-136-170-00	FILM	0.27MF	5%	50V	
C123	1-136-168-00	FILM	0.18MF	5%	50V	
C124	1-136-163-00	FILM	0.068MF	5%	50V	
C125	1-123-380-00	ELECT	1MF	20%	50V	
C126	1-136-158-00	FILM	0.027MF	5%	50V	
C127	1-136-168-00	FILM	0.18MF	5%	50V	
C128	1-136-163-00	FILM	0.068MF	5%	50V	
C129	1-123-369-00	ELECT	4.7MF	20%	25V	
C130	1-136-169-00	FILM	0.22MF	5%	50V	

## ELECTRICAL PARTS

Ref. No.	Part No.	Description				
C131	1-123-369-00	ELECT	4.7MF	20%	25V	
C132	1-124-186-00	ELECT	10MF	20%	50V	
C133	1-123-330-00	ELECT	22MF	20%	16V	
C134	1-136-154-00	FILM	0.012MF	5%	50V	
C136	1-136-155-00	FILM	0.015MF	5%	50V	
C137	1-136-160-00	FILM	0.039MF	5%	50V	
C138	1-136-160-00	FILM	0.039MF	5%	50V	
C139	1-106-192-00	MYLAR	0.0068MF	5%	50V	
C140	1-162-105-00	CERAMIC	390PF	10%	50V	
C141	1-107-036-00	MICA	68PF	5%	500V	
C142	1-107-165-00	MICA	56PF	5%	500V	
C143	1-123-369-00	ELECT	4.7MF	20%	25V	
C146	1-124-185-00	ELECT	4.7MF	20%	50V	
C150	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C151	1-123-356-00	ELECT	10MF	20%	25V	
C153	1-162-110-00	CERAMIC	0.001MF	10%	50V	
C155	1-162-110-00	CERAMIC	0.001MF	10%	50V	
C501	$\triangle$ 1-161-744-00	CERAMIC	0.01MF	400V		
C503	1-123-308-00	ELECT	220MF	20%	10V	
C504	1-123-308-00	ELECT	220MF	20%	10V	
C505	1-123-381-00	ELECT	2.2MF	20%	50V	
C508	1-123-380-00	ELECT	1MF	20%	50V	
C509	1-123-379-00	ELECT	0.47MF	20%	50V	
C510	1-123-380-00	ELECT	1MF	20%	50V	
C511	1-130-023-00	FILM	0.0027MF	5%	100V	
C512	1-130-023-00	FILM	0.0027MF	5%	100V	
C513	1-130-285-00	FILM	0.0033MF	5%	100V	
C514	1-129-714-00	FILM	0.01MF	10%	630V	
C515	1-123-336-00	ELECT	470MF	20%	25V	
C516	1-123-336-00	ELECT	470MF	20%	25V	
C517	1-123-324-00	ELECT	1000MF	20%	16V	
C518	1-123-348-00	ELECT	470MF	20%	35V	
C519	1-123-310-00	ELECT	470MF	20%	10V	
C520	1-123-306-00	ELECT	47MF	20%	10V	
C521	1-123-310-00	ELECT	470MF	20%	10V	
C522	1-123-306-00	ELECT	47MF	20%	25V	
C523	1-123-299-00	ELECT	1000MF	20%	6.3V	
C524	1-123-322-00	ELECT	330MF	20%	16V	
C525	1-123-356-00	ELECT	10MF	20%	25V	
C526	1-123-369-00	ELECT	4.7MF	20%	25V	
C527	1-123-356-00	ELECT	10MF	20%	25V	
C528	1-123-380-00	ELECT	1MF	20%	50V	
C529	1-123-333-00	ELECT	100MF	20%	16V	
C530	1-123-306-00	ELECT	47MF	20%	10V	
C531	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C532	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C535	1-162-113-00	CERAMIC	0.01MF	30%	16V	

## ELECTRICAL PARTS

Ref. No.	Part No.	Description	Value	Unit	Value	Unit
C550	1-123-380-00	ELECT	1MF	20%	50V	
C551	1-123-330-00	ELECT	22MF	20%	16V	
C601	1-162-112-00	CERAMIC	0.0047MF	30%	25V	
C602	1-162-112-00	CERAMIC	0.0047MF	30%	25V	
C603	1-123-299-00	ELECT	1000MF	20%	6.3V	
C604	1-123-307-00	ELECT	100MF	20%	10V	
C605	1-123-307-00	ELECT	100MF	20%	10V	
C608	1-162-025-00	CERAMIC	33PF	5%	50V	
C609	1-162-025-00	CERAMIC	33PF	5%	50V	
C610	1-136-161-00	FILM	0.047MF	5%	50V	
C611	1-136-161-00	FILM	0.047MF	5%	50V	
C616	1-136-165-00	FILM	0.1MF	5%	50V	
C619	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C620	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C621	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C622	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C623	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C624	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C625	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C626	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C627	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C628	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C629	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C630	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C631	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C632	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C633	1-162-110-00	CERAMIC	0.001MF	10%	50V	
C634	1-162-110-00	CERAMIC	0.001MF	10%	50V	
C635	1-123-307-00	ELECT	100MF	20%	10V	
C636	1-162-037-00	CERAMIC	100PF	5%	50V	
C637	1-123-307-00	ELECT	100MF	20%	10V	
C638	1-162-025-00	CERAMIC	33PF	5%	50V	
C701 A	1-161-741-00	(G-AEP) ... CERAMIC	0.001MF	10%	400V	
C701 A	1-161-741-00	(US) ... CERAMIC	0.001MF	10%	400V	
C702 A	1-161-741-00	(G-AEP) ... CERAMIC	0.001MF	10%	400V	
C702 A	1-161-741-00	(US) ... CERAMIC	0.001MF	10%	400V	
C703 A	1-161-741-00	(G-AEP) ... CERAMIC	0.001MF	10%	400V	
C704 A	1-161-494-00	(G-AEP) ... CERAMIC	0.0022MF	30%	25V	
C705 A	1-161-494-00	(G-AEP) ... CERAMIC	0.0022MF	30%	25V	
C706 A	1-161-494-00	(G-AEP) ... CERAMIC	0.0022MF	30%	25V	
C801	1-123-332-00	ELECT	47MF	20%	16V	
C802	1-123-332-00	ELECT	47MF	20%	16V	
C901	1-162-110-00	CERAMIC	0.001MF	10%	50V	
C902	1-162-100-00	CERAMIC	150PF	10%	50V	
C903	1-162-100-00	CERAMIC	150PF	10%	50V	
C904	1-123-369-00	ELECT	4.7MF	20%	50V	
C905	1-162-113-00	CERAMIC	0.01MF	30%	16V	
CNP501*1-560-605-00		PIN, CONNECTOR 6P				
CNP502*1-560-708-00		PIN, CONNECTOR 2P				
CNP503*1-560-062-00		PIN, CONNECTOR 4P				
CNP601*1-560-063-00		PIN, CONNECTOR 5P				
CNP602*1-560-339-00		PIN, CONNECTOR 9P				
CNP603*1-560-338-00		PIN, CONNECTOR 7P				
CNP604*1-560-060-00		PIN, CONNECTOR 2P				
CNP605*1-560-062-00		PIN, CONNECTOR 4P				
CNP606*1-560-061-00		PIN, CONNECTOR 3P				

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref. No.	Part No.	Description
	CNP607*1-560-063-00	PIN, CONNECTOR 5P
	CNP608*1-560-063-00	PIN, CONNECTOR 5P
	CNP609*1-560-060-00	PIN, CONNECTOR 2P
	CNP610*1-560-060-00	PIN, CONNECTOR 2P
CT101	1-141-225-00	CAP, TUNING, TRIMMER
CT201	1-141-225-00	CAP, TUNING, TRIMMER
D501	8-719-200-02	DIODE 10E-2
D502	8-719-200-02	DIODE 10E-2
D503	8-719-200-02	DIODE 10E-2
D504	8-719-200-02	DIODE 10E-2
D505	8-719-200-02	DIODE 10E-2
D506	8-719-200-02	DIODE 10E-2
D507	8-719-200-02	DIODE 10E-2
D508	8-719-200-02	DIODE 10E-2
D509	8-719-200-02	DIODE 10E-2
D510	8-719-107-94	DIODE 1SS202-1
D511	8-719-107-94	DIODE 1SS202-1
D513	8-719-107-94	DIODE 1SS202-1
D514	8-719-107-94	DIODE 1SS202-1
D515	8-719-107-94	DIODE 1SS202-1
D516	8-719-107-94	DIODE 1SS202-1
D517	8-719-107-94	DIODE 1SS202-1
D518	8-719-107-94	DIODE 1SS202-1
D519	8-719-107-94	DIODE 1SS202-1
D520	8-719-200-02	DIODE 10E-2
D521	8-719-200-02	DIODE 10E-2
D522	8-719-107-94	DIODE 1SS202-1
D524	8-719-910-15	DIODE HZ11B2L
D602	8-719-107-94	DIODE 1SS202-1
D603	8-719-107-94	DIODE 1SS202-1
D606	8-719-107-94	DIODE 1SS202-1
D607	8-719-107-94	DIODE 1SS202-1
D612	8-719-107-94	DIODE 1SS202-1
D613	8-719-107-94	DIODE 1SS202-1
D614	8-719-107-94	DIODE 1SS202-1
D615	8-719-107-94	DIODE 1SS202-1
D616	8-719-107-94	DIODE 1SS202-1
D617	8-719-200-02	DIODE 10E-2
D618	8-719-910-92	DIODE HZ9A2L
D620	8-719-107-94	DIODE 1SS202-1
D702	8-719-907-86	DIODE BG5638S
D703	8-719-907-86	DIODE BG5638S
D704	8-719-907-87	DIODE PR5638S
D705	8-719-907-85	DIODE AA5638S
D706	8-719-905-31	DIODE PY5531K
D707	8-719-905-31	DIODE PY5531K
D801	8-719-107-94	DIODE 1SS202-1
D902	8-719-107-94	DIODE 1SS202-1
D903	8-719-107-94	DIODE 1SS202-1
D904	8-719-107-94	DIODE 1SS202-1
D905	8-719-107-94	DIODE 1SS202-1
D906	8-719-107-94	DIODE 1SS202-1
D907	8-719-107-94	DIODE 1SS202-1
F501 A	1-532-259-00	(AEP, G-AEP) ... FUSE, TIME-LAG, 1.6A
F501 A	1-532-555-00	(US) ... FUSE, GLASS TUBE, 1.6A NORMAL
F502 A	1-532-259-00	(AEP, G-AEP) ... FUSE, TIME-LAG, 1.6A
F502 A	1-532-555-00	(US) ... FUSE, GLASS TUBE, 1.6A NORMAL

## ELECTRICAL PARTS

Ref. No.	Part No.	Description
HE501	X-3319-616-1	HEAD UNIT ASSY
HRP501	X-3319-616-1	HEAD UNIT ASSY
IC101	8-752-002-70	IC CX20027
IC201	8-752-002-80	IC CX20028
IC501	8-759-101-56	IC CX10033A
IC502	8-759-101-55	IC CX10032A
IC503	8-759-600-02	IC M5218L
IC504	8-759-700-47	IC CX10035
IC601	8-755-640-72	IC CX564-072
IC602	8-759-600-54	IC M50783SP
IC603	8-759-700-46	IC CX10034
IC604	8-759-984-69	IC MB84069UB
IC901	8-759-602-47	IC M50761-417P
J501	1-507-797-21	JACK, LARGE TYPE (MIC)
J502	1-507-908-11	JACK, PIN 4P (LINE IN/LINE OUT)
J503	1-507-796-21	JACK (HEADPHONES)
L101	1-408-922-00	MICRO INDUCTOR 6.8MMH
L102	1-408-920-00	MICRO INDUCTOR 4.7MMH
L103	1-408-924-00	MICRO INDUCTOR 10MMH
L104	1-408-930-00	MICRO INDUCTOR 33MMH
L201	1-408-922-00	MICRO INDUCTOR 6.8MMH
L202	1-408-920-00	MICRO INDUCTOR 4.7MMH
L203	1-408-924-00	MICRO INDUCTOR 10MMH
L204	1-408-930-00	MICRO INDUCTOR 33MMH
L501	1-407-177-XX	MICRO INDUCTOR 470UH
L502	1-407-169-XX	MICRO INDUCTOR 100UH
LPF101	1-231-388-00	FILTER, LOW PASS
LPF201	1-231-388-00	FILTER, LOW PASS
M802	1-541-239-00	MOTOR (CAPSTAN)
PL803	1-518-561-11	LAMP, PILOT
PL802	1-518-562-11	LAMP, PILOT
PL801	1-518-563-11	LAMP, PILOT
PM1	1-454-316-00	SOLENOID, PLUNGER (HEAD)
PM2	1-454-316-00	SOLENOID, PLUNGER (BRAKE)
PM3	1-454-374-11	SOLENOID, PLUNGER (DIRECTION)
Q101	8-729-606-33	TRANSISTOR 2SC2603F
Q102	8-729-606-33	TRANSISTOR 2SC2603F
Q103	8-729-606-33	TRANSISTOR 2SC2603F
Q104	8-729-100-13	TRANSISTOR 2SC2001
Q105	8-729-606-33	TRANSISTOR 2SC2603F
Q106	8-729-606-33	TRANSISTOR 2SC2603F
Q107	8-729-606-33	TRANSISTOR 2SC2603F
Q201	8-729-606-33	TRANSISTOR 2SC2603F
Q202	8-729-606-33	TRANSISTOR 2SC2603F
Q203	8-729-606-33	TRANSISTOR 2SC2603F
Q204	8-729-100-13	TRANSISTOR 2SC2001
Q205	8-729-606-33	TRANSISTOR 2SC2603F
Q206	8-729-606-33	TRANSISTOR 2SC2603F
Q207	8-729-606-33	TRANSISTOR 2SC2603F
Q501	8-729-180-92	TRANSISTOR 2SD809-K
Q502	8-729-173-13	TRANSISTOR 2SB731
Q503	8-729-201-78	TRANSISTOR 2SD1406
Q504	8-729-201-78	TRANSISTOR 2SD1406
Q505	8-729-606-33	TRANSISTOR 2SC2603F

## ELECTRICAL PARTS

Ref. No.	Part No.	Description
Q506	8-729-900-61	TRANSISTOR DTA114ES
Q507	8-729-900-61	TRANSISTOR DTA114ES
Q508	8-729-606-33	TRANSISTOR 2SC2603F
Q509	8-729-600-27	TRANSISTOR 2SC634SP
Q510	8-729-600-27	TRANSISTOR 2SC634SP
Q511	8-729-900-74	TRANSISTOR DTC143TS
Q512	8-729-900-36	TRANSISTOR DTC124ES
Q513	8-729-900-63	TRANSISTOR DTA124ES
Q601	8-729-102-03	TRANSISTOR 2SD1020
Q602	8-729-177-43	TRANSISTOR 2SD774-5
Q603	8-729-800-83	TRANSISTOR 2SB808
Q604	8-729-800-83	TRANSISTOR 2SB808
Q605	8-729-177-43	TRANSISTOR 2SD774
Q606	8-729-177-43	TRANSISTOR 2SD774
Q607	8-729-606-33	TRANSISTOR 2SC2603F
Q608	8-729-606-33	TRANSISTOR 2SC2603F
Q611	8-729-900-63	TRANSISTOR DTA124ES
Q612	8-729-900-63	TRANSISTOR DTA124ES
Q613	8-729-900-63	TRANSISTOR DTA124ES
Q614	8-729-900-63	TRANSISTOR DTA124ES
Q615	8-729-900-63	TRANSISTOR DTA124ES
Q616	8-729-900-61	TRANSISTOR DTA114ES
Q617	8-729-900-61	TRANSISTOR DTA114ES
Q618	8-729-900-74	TRANSISTOR DTC143TS
Q619	8-729-900-63	TRANSISTOR DTA124ES
Q620	8-729-900-63	TRANSISTOR DTA124ES
Q621	8-729-900-74	TRANSISTOR DTC143TS
Q622	8-729-900-61	TRANSISTOR DTA114ES
Q623	8-729-100-13	TRANSISTOR 2SC2001
Q624	8-729-900-36	TRANSISTOR DTC124ES
Q625	8-729-900-74	TRANSISTOR DTC143TS
Q626	8-729-900-61	TRANSISTOR DTA114ES
Q627	8-729-900-61	TRANSISTOR DTA114ES
Q628	8-729-900-61	TRANSISTOR DTA114ES
Q629	8-729-900-61	TRANSISTOR DTA114ES
Q801	8-729-110-21	TRANSISTOR PH102
Q802	8-729-110-21	TRANSISTOR PH102
Q901	8-729-900-61	TRANSISTOR DTA114ES
Q902	8-729-900-36	TRANSISTOR DTC124ES
Q903	8-729-606-33	TRANSISTOR 2SC2603F
Q904	8-729-900-61	TRANSISTOR DTA114ES
Q905	8-729-900-36	TRANSISTOR DTC124ES
R101	1-247-167-00	CARBON 33K 5% 1/4W
R102	1-247-248-00	CARBON 2.2K 5% 1/2W
R104	1-247-155-00	CARBON 10K 5% 1/4W
R105	1-247-119-00	CARBON 330 5% 1/4W
R106	1-247-166-00	CARBON 30K 5% 1/4W
R107	1-247-179-00	CARBON 100K 5% 1/4W
R110	1-247-143-00	CARBON 3.3K 5% 1/4W
R111	1-247-179-00	CARBON 100K 5% 1/4W
R112	1-247-151-00	CARBON 6.8K 5% 1/4W
R113	1-247-855-00	CARBON 10K 5% 1/6W
R114	1-247-131-00	CARBON 1K 5% 1/4W
R115	1-247-248-00	CARBON 2.2K 5% 1/2W
R116	1-247-164-00	CARBON 24K 5% 1/4W
R117	1-247-107-00	CARBON 100 5% 1/4W
R118	1-247-148-00	CARBON 5.1K 5% 1/4W

## ELECTRICAL PARTS

Ref. No.	Part No.	Description	Value	Tolerance	Power
R119	1-246-524-00	CARBON	130K	5%	1/4W
R122	1-246-529-00	CARBON	220K	5%	1/4W
R123	1-247-161-00	CARBON	18K	5%	1/4W
R124	1-249-459-11	CARBON	12K	5%	1/4W
R125	1-247-847-00	CARBON	4.7K	5%	1/6W
R126	1-247-130-00	CARBON	9.10	5%	1/4W
R127	1-247-165-00	CARBON	27K	5%	1/4W
R128	1-247-142-00	CARBON	3K	5%	1/4W
R129	1-247-148-00	CARBON	5.1K	5%	1/4W
R130	1-246-537-00	CARBON	470K	5%	1/4W
R131	1-247-124-00	CARBON	510	5%	1/4W
R132	1-214-776-00	METAL	91K	1%	1/4W
R133	1-247-171-00	CARBON	47K	5%	1/4W
R134	1-247-138-00	CARBON	2K	5%	1/4W
R135	1-247-148-00	CARBON	5.1K	5%	1/4W
R136	1-247-132-00	CARBON	1.1K	5%	1/4W
R137	1-247-888-00	CARBON	240K	5%	1/6W
R138	1-247-887-00	CARBON	220K	5%	1/6W
R139	1-247-886-00	CARBON	200K	5%	1/6W
R140	1-247-845-00	CARBON	3.9K	5%	1/6W
R141	1-247-887-00	CARBON	220K	5%	1/6W
R142	1-247-886-00	CARBON	200K	5%	1/6W
R143	1-247-155-00	CARBON	10K	5%	1/4W
R144	1-247-163-00	CARBON	22K	5%	1/4W
R145	1-247-155-00	CARBON	10K	5%	1/4W
R146	1-247-148-00	CARBON	5.1K	5%	1/4W
R147	1-247-155-00	CARBON	10K	5%	1/4W
R148	1-247-179-00	CARBON	100K	5%	1/4W
R149	1-249-421-11	CARBON	2.2K	5%	1/6W
R150	1-249-459-11	CARBON	12K	5%	1/4W
R151	1-247-836-00	CARBON	1.6K	5%	1/6W
R152	1-247-807-00	CARBON	100	5%	1/6W
R154	1-247-848-00	CARBON	5.1K	5%	1/6W
R155	1-247-855-00	CARBON	10K	5%	1/6W
R156	1-247-843-00	CARBON	3.3K	5%	1/6W
R157	1-247-844-00	CARBON	3.6K	5%	1/6W
R158	1-247-855-00	CARBON	10K	5%	1/6W
R159	1-247-840-00	CARBON	2.4K	5%	1/6W
R160	1-247-853-00	CARBON	8.2K	5%	1/6W
R161	1-247-855-00	CARBON	10K	5%	1/6W
R162	1-247-863-00	CARBON	22K	5%	1/6W
R163	1-249-421-11	CARBON	2.2K	5%	1/6W
R164	1-247-855-00	CARBON	10K	5%	1/6W
R165	1-247-857-00	CARBON	12K	5%	1/6W
R166	1-247-853-00	CARBON	8.2K	5%	1/6W
R167	1-247-115-00	CARBON	220	5%	1/4W
R168	1-247-871-00	CARBON	47K	5%	1/6W
R169	1-247-867-00	CARBON	33K	5%	1/6W
R172	1-247-155-00	CARBON	10K	5%	1/4W
R173	1-247-845-00	CARBON	3.9K	5%	1/6W
R174	1-247-820-00	CARBON	360	5%	1/6W
R175	1-247-813-00	CARBON	180	5%	1/6W
R501	1-247-155-00	CARBON	10K	5%	1/4W
R502	1-247-137-00	CARBON	1.8K	5%	1/4W
R503	1-247-158-00	CARBON	13K	5%	1/4W
R504	1-247-138-00	CARBON	2K	5%	1/4W

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref. No.	Part No.	Description	Value	Tolerance	Power
R505	1-247-150-00	CARBON	6.2K	5%	1/4W
R506	1-247-136-00	CARBON	1.6K	5%	1/4W
R507	1-247-162-00	CARBON	20K	5%	1/4W
R508	1-247-717-11	CARBON	2.2K	5%	1/4W
R509	1-247-240-00	CARBON	1K	5%	1/2W
R510	1-247-863-00	CARBON	22K	5%	1/6W
R512	1-247-821-00	CARBON	390	5%	1/6W
R513	1-247-821-00	CARBON	390	5%	1/6W
R514	1-247-821-00	CARBON	390	5%	1/6W
R515	1-247-855-00	CARBON	10K	5%	1/6W
R516	1-247-855-00	CARBON	10K	5%	1/6W
R517	1-247-846-00	CARBON	4.3K	5%	1/6W
R518	1-247-838-00	CARBON	2K	5%	1/6W
R520	1-247-847-00	CARBON	4.7K	5%	1/6W
R521	1-247-865-00	CARBON	27K	5%	1/6W
R522	1-247-865-00	CARBON	27K	5%	1/6W
R523	1-247-081-00	CARBON	6.8	5%	1/4W
R524	1-249-421-11	CARBON	2.2K	5%	1/6W
R525	1-247-859-00	CARBON	15K	5%	1/6W
R526	1-247-813-00	CARBON	180	5%	1/6W
R527	1-247-821-00	CARBON	390	5%	1/6W
R528	1-247-879-00	CARBON	100K	5%	1/6W
R529	1-247-849-00	CARBON	5.6K	5%	1/6W
R530	1-247-863-00	CARBON	22K	5%	1/6W
R531	1-247-831-00	CARBON	1K	5%	1/6W
R532	1-247-871-00	CARBON	47K	5%	1/6W
R533	1-247-871-00	CARBON	47K	5%	1/6W
R534	1-247-224-00	CARBON	220	5%	1/2W
R535	1-247-224-00	CARBON	220	5%	1/2W
R536	1-249-421-11	CARBON	2.2K	5%	1/6W
R539	1-247-838-00	CARBON	2K	5%	1/6W
R541	1-247-843-00	CARBON	3.3K	5%	1/6W
R550	△1-217-383-00	FUSIBLE	4.7	5%	1/4W F
R551	△1-217-383-00	FUSIBLE	4.7	5%	1/4W F
R552	1-247-855-00	CARBON	10K	5%	1/6W
R553	1-247-863-00	CARBON	22K	5%	1/6W
R555	1-247-863-00	CARBON	22K	5%	1/6W
R556	1-247-863-00	CARBON	22K	5%	1/6W
R557	1-247-863-00	CARBON	22K	5%	1/6W
R558	1-247-825-00	CARBON	560	5%	1/6W
R559	1-247-845-00	CARBON	3.9K	5%	1/6W
R601	1-247-889-00	CARBON	270K	5%	1/6W
R602	1-247-889-00	CARBON	270K	5%	1/6W
R603	1-247-874-00	CARBON	62K	5%	1/6W
R604	1-247-874-00	CARBON	62K	5%	1/6W
R605	1-247-847-00	CARBON	4.7K	5%	1/6W
R606	1-247-847-00	CARBON	4.7K	5%	1/6W
R607	1-247-863-00	CARBON	22K	5%	1/6W
R608	1-247-828-00	CARBON	750	5%	1/6W
R609	1-247-833-00	CARBON	1.2K	5%	1/6W
R610	1-247-821-00	CARBON	390	5%	1/6W
R611	1-247-831-00	CARBON	1K	5%	1/6W
R612	1-247-855-00	CARBON	10K	5%	1/6W
R613	1-247-831-00	CARBON	1K	5%	1/6W
R614	1-247-831-00	CARBON	1K	5%	1/6W
R615	1-247-831-00	CARBON	1K	5%	1/6W
R616	1-247-855-00	CARBON	10K	5%	1/6W
R617	1-247-855-00	CARBON	10K	5%	1/6W
R618	1-247-855-00	CARBON	10K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description	Value	Tolerance	Power
R620	1-247-807-00	CARBON	100	5%	1/6W
R621	1-247-807-00	CARBON	100	5%	1/6W
R622	1-247-123-00	CARBON	470	5%	1/4W
R623	1-247-820-00	CARBON	360	5%	1/6W
R624	1-247-807-00	CARBON	100	5%	1/6W
R625	1-247-807-00	CARBON	100	5%	1/6W
R626	1-247-867-00	CARBON	33K	5%	1/6W
R627	1-247-867-00	CARBON	33K	5%	1/6W
R628	1-247-867-00	CARBON	33K	5%	1/6W
R629	1-247-867-00	CARBON	33K	5%	1/6W
R630	1-247-847-00	CARBON	4.7K	5%	1/6W
R631	1-247-867-00	CARBON	33K	5%	1/6W
R632	1-247-869-00	CARBON	39K	5%	1/6W
R633	1-247-855-00	CARBON	10K	5%	1/6W
R634	1-247-847-00	CARBON	4.7K	5%	1/6W
R635	1-247-863-00	CARBON	22K	5%	1/6W
R638	1-247-815-00	CARBON	220	5%	1/6W
R639	1-247-815-00	CARBON	220	5%	1/6W
R640	1-247-815-00	CARBON	220	5%	1/6W
R641	1-247-815-00	CARBON	220	5%	1/6W
R642	1-247-815-00	CARBON	220	5%	1/6W
R643	1-247-815-00	CARBON	220	5%	1/6W
R644	1-247-815-00	CARBON	220	5%	1/6W
R645	1-247-815-00	CARBON	220	5%	1/6W
R646	1-247-815-00	CARBON	220	5%	1/6W
R647	1-247-815-00	CARBON	220	5%	1/6W
R648	1-247-815-00	CARBON	220	5%	1/6W
R649	1-247-815-00	CARBON	220	5%	1/6W
R650	1-247-815-00	CARBON	220	5%	1/6W
R651	1-247-815-00	CARBON	220	5%	1/6W
R654	1-247-863-00	CARBON	22K	5%	1/6W
R655	1-247-863-00	CARBON	22K	5%	1/6W
R656	1-247-863-00	CARBON	22K	5%	1/6W
R657	1-247-863-00	CARBON	22K	5%	1/6W
R658	1-247-863-00	CARBON	22K	5%	1/6W
R659	1-247-863-00	CARBON	22K	5%	1/6W
R660	1-247-871-00	CARBON	47K	5%	1/6W
R661	1-247-863-00	CARBON	22K	5%	1/6W
R662	1-247-863-00	CARBON	22K	5%	1/6W
R663	1-247-863-00	CARBON	22K	5%	1/6W
R664	1-247-863-00	CARBON	22K	5%	1/6W
R665	1-247-863-00	CARBON	22K	5%	1/6W
R666	1-247-863-00	CARBON	22K	5%	1/6W
R667	1-247-863-00	CARBON	22K	5%	1/6W
R668	1-247-859-00	CARBON	15K	5%	1/6W
R669	1-247-857-00	CARBON	12K	5%	1/6W
R670	1-247-857-00	CARBON	12K	5%	1/6W
R901	1-247-107-00	CARBON	100	5%	1/4W
R902	1-247-861-00	CARBON	18K	5%	1/6W
R903	1-247-857-00	CARBON	12K	5%	1/6W
R904	1-247-783-00	CARBON	10	5%	1/6W
R905	1-247-863-00	CARBON	22K	5%	1/6W
R906	1-247-863-00	CARBON	22K	5%	1/6W
R907	1-247-903-00	CARBON	1M	5%	1/6W
R908	1-247-841-00	CARBON	2.7K	5%	1/6W
R910	1-247-863-00	CARBON	22K	5%	1/6W
R911	1-247-863-00	CARBON	22K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV101	1-226-236-00	RES, ADJ, CARBON 10K
RV102	1-228-724-00	RES, ADJ, CARBON 10K
RV104	1-226-236-00	RES, ADJ, CARBON 10K
RV201	1-226-236-00	RES, ADJ, CARBON 10K
RV202	1-228-724-00	RES, ADJ, CARBON 10K
RV204	1-226-236-00	RES, ADJ, CARBON 10K
RV501	1-226-991-00	RES, VAR, SLIDE 20K/20K (REC LEVEL)
RY501	1-515-535-11	RELAY
S501	1-554-773-11	SWITCH, PUSH (REVERSE MODE/PRE-END REVERSE/DOLBY NR)
S502	1-554-208-00	SWITCH, SLIDE (TIMER)
S503	1-553-318-00	SWITCH, PUSH (AC POWER) (1 KEY)
S610	1-554-410-00	SWITCH, LEAF (POWER)
S701	1-554-303-00	SWITCH, KEY BOARD (STOP)
S702	1-554-303-00	SWITCH, KEY BOARD (REW)
S703	1-554-303-00	SWITCH, KEY BOARD (FF)
S705	1-554-303-00	SWITCH, KEY BOARD (FWD)
S706	1-554-303-00	SWITCH, KEY BOARD (REV)
S707	1-554-303-00	SWITCH, KEY BOARD (REC)
S708	1-554-303-00	SWITCH, KEY BOARD (PAUSE)
S709	1-554-303-00	SWITCH, KEY BOARD (REC MUTE)
S710	1-554-303-00	SWITCH, KEY BOARD (AMS SCAN)
S711	1-554-303-00	SWITCH, KEY BOARD (AMS BLANK)
S712	1-554-303-00	SWITCH, KEY BOARD (RESET)
S713	1-554-303-00	SWITCH, KEY BOARD (MEMORY)
S801	1-553-856-00	SWITCH, KEY BOARD (HALF DET)
S802	1-553-856-00	SWITCH, KEY BOARD (ERASE PROOF (A))
S803	1-553-856-00	SWITCH, KEY BOARD (TAPE SELECT/120U)
S804	1-553-856-00	SWITCH, KEY BOARD (TAPE SELECT/METAL)
S805	1-553-856-00	SWITCH, KEY BOARD (ERASE PROOF (B))
S806	1-554-883-11	SWITCH, SLIDE (DIRECTION)
SPK101	1-235-186-00	ENCAPSULATED COMPONENT
SPK201	1-235-186-00	ENCAPSULATED COMPONENT
T501	1-447-779-11	(US).....TRANSFORMER, POWER
T501	1-447-781-11	(AEP,G-AEP).....TRANSFORMER, POWER
T502	1-433-283-11	TRANSFORMER, BIAS OSCILLATION
X601	1-567-160-00	OSCILLATOR, CERAMIC
X901	1-527-532-00	OSCILLATOR, CERAMIC

## ACCESSORY &amp; PACKING MATERIAL

Part No.	Description
1-551-734-11	CORD, CONNECTION (RK-74A)
1-556-372-41	CORD, CONNECTION (4 CORE)
3-315-149-00	CUSHION (LEFT), LOWER
3-315-150-00	CUSHION (RIGHT), LOWER
3-315-151-00	CUSHION (LEFT), UPPER
3-315-152-00	CUSHION (RIGHT), UPPER
3-322-821-21	INDIVIDUAL CARTON
3-701-630-00	BAG, POLYETHYLENE
3-703-865-01	(AEP)....LABEL, COLOR
3-703-876-01	(AEP)....LABEL, COLOR
3-760-576-11	(AEP,G-AEP)....MANUAL, INSTRUCTION
3-760-576-21	(US).....MANUAL, INSTRUCTION
4-876-352-00	SHEET, PROTECTION

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

English

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